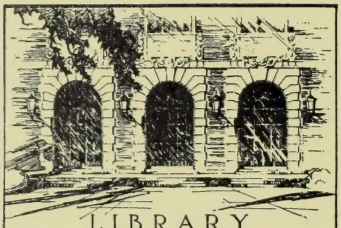

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VOLUME VII. NEW SERIES. No. 3.

KANSAS STATE NORMAL SCHOOL

EMPORIA

188

GENERAL CATALOGUE

1917-1918

WITH ANNOUNCEMENTS FOR 1918-1919

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1917-1918

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KANSAS STATE PRINTING PLANT
W. R. SMITH, STATE PRINTER
TOPEKA. 1918
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CALENDAR FOR 1918.

JANUARY.

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CALENDAR FOR 1919.

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School Calendar, 1918-1919.

(The school year is made up of a summer term of eight weeks and two semesters of eighteen weeks each, and opens with the summer term.)

1918.

May 22, Wednesday, 9:30 a. m.—Commencement exercises.
May 24-25, Friday-Saturday.—Registration of students in residence for the Summer Term.
May 27-28, Monday-Tuesday.—Registration of new students for the Summer Term.
May 29, Wednesday.—Opening of the Summer Term.
June 21-22, Friday-Saturday.—County teachers' examination.
June 28-29, Friday-Saturday.—County teachers' examination.
July 4, Thursday.—Holiday.
July 26-27, Friday-Saturday.—County teachers' examination.
July 26, Friday.—Close of the Summer Term.
September 6-7, Friday-Saturday.—Registration of students for the First (September-January) Semester.
September 10, Tuesday.—Opening of First (September-January) Semester.
October 25-26, Friday-Saturday.—County teachers' examination.
November 28-29, Thursday-Friday.—Thanksgiving vacation.
December 20, Friday, 6 p. m.—Beginning of Christmas vacation.

1919.

January 2, Thursday, 8 a. m.—Opening of school after the Christmas vacation.
January 24-25, Friday-Saturday.—County teachers' examination.
January 24, Friday.—Close of the First (September-January) Semester.
January 27, Monday.—Opening of Second (February-May) Semester.
February 15, Saturday.—Founders' Day.
March 14, Friday, 8 p. m.—Normal Training High School play.
March 31, Monday, 8 p. m.—Organization of new classes.
April 11, Friday, 8 p. m.—German play.
May 18, Sunday, 11 a. m.—Baccalaureate services.
May 19, Monday, 8 p. m.—Commencement play.
May 20, Tuesday, 3 p. m.—Alumni business meeting.
4 p. m.—Alumni dinner.
May 21, Wednesday, 9:30 a. m.—Commencement exercises.
May 23-24, Friday-Saturday.—Registration of students in residence for the Summer Term.
May 24, Saturday, 8 p. m.—Commencement exercises of the Normal Training High School.
May 26-27, Monday-Tuesday.—Registration of new students for the Summer Term.
May 28, Wednesday.—Opening of Summer Term.

370.746

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WILLIS H. CAROTHERS,[4] *Professor of Secondary Education and Principal of the Normal Training High School.*

A. B., A. M., University of Kansas; graduate study, University of Chicago.

EXPLANATION OF REFERENCE MARKS.

1. Summer School, 1917.
2. Absent Summer School, 1917.
3. Acting head of department, first semester, 1917-'18.
4. Leave of absence, year 1917-'18.
5. Leave of absence, first semester, 1917-'18.
6. Resigned September 1, 1917.
7. Resigned July 31, 1917.
8. Began September 1, 1917.
9. Began Summer School, 1917.
10. Began October 1, 1917.
11. Resigned February 1, 1918.
12. Leave of absence, second semester, 1917-'18.
13. Resigned October 1, 1917.
14. First semester, 1917-'18.
15. Resigned December 7, 1917.
16. Resigned December 31, 1917.
17. Resigned March 9, 1918.
18. Resigned March 15, 1918.

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A. B. in Education, Kansas State Normal School.

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Ph. B., Upper Iowa University; Cumnock School of Oratory; University of Chicago Curry School of Expression.

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A. B. in Education, Kansas State Normal School; Massachusetts Normal Art School; University of Chicago; Dow's Summer Art School; New York University.

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ACHSAH MAY HARRIS,[2] *Professor of Primary Education.*

A. B. in Education, Kansas State Normal School; A. B., University of Michigan; graduate study, University of Michigan; University of Chicago; Chicago School of Music; Columbia University.

W. L. HOLTZ, *Professor of Latin.*

A. B., Baker University; graduate study, University of Chicago.

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A. B., Bellevue College, Nebraska; A. M., Columbia University; graduate study, University of Edinburgh.

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B. L., A. M., Ohio Wesleyan University; A. B., A. M., University of Michigan; graduate study, University of Chicago and Oxford University.

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LL. B., University of Kansas.

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A. B., Bachelor of Journalism, University of Missouri.

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A. B., Culver-Stockton College; A. M., University of Chicago.

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A. B., Northwestern University.

Officers of Administration.

THOMAS WALTER BUTCHER, A. B., A. M., *President.*
WILLIAM SHELTON BIXLER, B. S., Ph. M., *Registrar.*
WILLIS H. CAROTHERS,[4] A. B., A. M., *Principal of the Normal Training High School.*
W. H. KERR, A. B., A. M., *Librarian.*
HERBERT G. LULL, A. B., A. M., Ph. D., *Director of Teacher Training.*
CARL W. SALSER, A. B., *Secretary of Alumni Association and Director of Extension Division.*
NORMAN TRIPLETT, Ph. D., *Acting Dean.*
MABEL WARE, *Bursar.*
MARY ALICE WHITNEY, A. B., A. M., *Dean of Women.*

NEALE AKERS, *Secretary Correspondence-Study Department.*
VERNE BOWLES, A. B., *Cataloguer in Library.*
JOSEPHINE PELZELL, *Secretary to the Registrar.*
MARY E. EDWARDS, *Secretary to Appointment Bureau.*
HARRIET ELCOCK, *Library Assistant.*
KATHERINE FULLER, *Secretary to Department of Music.*
MARGARET HESS, *Secretary, Young Women's Christian Association.*
Ph. B., University of Chicago.
BEATRICE HOOVER, *Secretary to the President.*
FAYE HUFFMAN,[16] *Library Assistant.*
AGNES KING, *Library Assistant.*
A. B., Buena Vista College; A. M., University of Iowa.
MRS. MARY P. KIRTLAN, *Nurse.*
GRACE M. LEAF, *Reference Librarian.*
Kansas State Normal School; Simmons College; Library School, University of Wisconsin.
LUCILE OWEN, *Record Clerk.*
A. B. in Education, Kansas State Normal School.
CORA PARKER, *Library Assistant.*
A. B. in Education, Kansas State Normal School.
ELIZABETH GERTRUDE SCHORK, *Secretary to Librarian.*
MAUDE E. SHORE, *Circulation Department, Library.*
MRS. LENORE WILSON, *Secretary to Director of Training School.*

GENERAL INFORMATION.

HISTORICAL.

The State Normal School of Kansas was located at Emporia by act of the legislature passed in February, 1863; the legislature of 1864 provided for the appointment of a Board of Regents and the organization of the School, and the first appropriation bill, $1,000, for the salaries of teachers was approved February 29, 1864. The School opened its doors to students and began regular work in the upper room of a school building owned by the city of Emporia, February 15, 1865, with one teacher, L. B. Kellogg, and eighteen students. The first building for the use of the School erected by the state was dedicated January 2, 1867; the first graduating class, consisting of two young women, was the class of 1867. Since that time the School has graduated more than 3,250 young men and women, and numbered probably 25,000 among its undergraduate students. Almost the entire number of these have engaged for a longer or shorter time in teaching in the schools of Kansas and of other states, and the influence of the School has been a positive and powerful factor in the educational life of the state during all the fifty years of its history. By the legislature of 1901 the Normal School at Hays, and by the legislature of 1903 the Normal School at Pittsburg, were established as auxiliary to the State Normal School at Emporia, and designated, respectively, "The Western Branch State Normal School" and "The Manual Training Auxiliary." By act of the legislature of 1913 the management of these schools was placed in the hands of a Board of Educational Administration. By authority of the same act the Normal School at Hays was reorganized as the Fort Hays Normal School and the Normal School at Pittsburg as the State Manual Training Normal School.

PURPOSE.

The act organizing the School and locating it permanently at Emporia provided that its exclusive purpose should be "the instruction of persons, both male and female, in the art of teaching," and designated in general terms such branches of instruction as were then recognized as necessary for the accomplishment of that end. The School throughout its history has been conducted in the spirit of its foundation and with specific reference to its function of preparing teachers for the public schools of the state. The field of the Normal School as an essential part of the school system of the state implies a recognition of the principles that proficiency in the art of teaching is dependent upon thorough knowledge of the fundamental principles of the science of teaching, that this knowledge should be both historical and philosophical, and that clear conception of methods can most readily be attained by an intelligent study of them in practical operation. The Normal Schools of the state, then, organized into one system, assume as their field specifically the professional function.

The place and value of every subject in the course of study is determined by its relation to this end, the method of approach to every subject of instruction has the teaching purpose practically in view, and in every way the Normal School seeks to develop a distinctive teaching atmosphere, to foster the best expression of the teaching spirit, and to set the highest standards for teaching preparation. To fulfill its mission adequately, and to meet the legitimate demands made upon it, the Normal School recognizes that it must touch every phase of public-school life in the state, must lay the foundations of broad and thorough scholarship and professional training for every grade of school work, and must seek to be a progressive center of educational thought and a disseminator of the best teaching ideals to the schools of every community.

LOCATION.

Emporia, the home of the State Normal School, is a city of approximately 10,000 inhabitants, situated between the Neosho and Cottonwood rivers, in a beautiful and healthful location, easily accessible from all parts of the state. Its railroads are the main line and three branches of the Atchison, Topeka & Santa Fe Railway, and the Neosho branch of the Missouri, Kansas & Texas. Emporia combines ideally the characteristics of a model school town. It is a substantial business city in the center of a prosperous agricultural community. Its well-kept lawns, its commodious and comfortable homes, its public buildings, and its numerous schools and churches are external evidence of the spirit of the community; it has also been known as one of the most attractive residence and home cities of the West. It is often designated as a city of schools and churches, and the educational and moral tone of the community is wholesome and helpful in the highest degree. Students find a cordial welcome to their church homes in the various places of worship in the city, and they have no difficulty in finding places for room and board with congenial surroundings where the moral safeguards are the very best. Many families in the city are particularly identified with the life of the School because they have been especially attracted to Emporia as a place of residence by its educational opportunities.

BUILDINGS, GROUNDS AND EQUIPMENT.

The Normal School grounds are located immediately adjacent to the city at the north end of Commercial street, the leading business street of Emporia. The original campus of twenty acres has been enlarged by successive purchases so that it now includes about thirty-five acres, including one of the most satisfactory and best-equipped athletic fields in the state. The group of buildings includes:

PRESTON B. PLUMB MEMORIAL HALL.

The new administration and main recitation building was completed in 1917. The legislature of 1915 appropriated $175,000 for this building. The building is T-shaped, with the broad arm in front, facing the head of Commercial street, three hundred feet directly north of the old main building, which later will be removed. The dimensions are as follows:

Main wing, 268 feet front, 82 feet side; rear wing (auditorium), 96 feet front, 113 feet deep. The materials are brick and stone, with reinforced concrete floors throughout the four stories. The building provides eighty-five class and office rooms, three rest rooms and two check rooms; also the auditorium, is entered from the main-floor rotunda, and seats 2,750 people; it is provided with ample stage and orchestra facilities.

THE MAIN BUILDING.

The central portion was built originally in 1880, but enlarged by the addition of a wing on the west in 1887, and on the east in 1895. In the east wing is the auditorium, known as "Albert Taylor Hall." The entire building is devoted to the purposes of administration and instruction, is about 300 feet long, and contains 80 rooms, exclusive of closets and wardrobes. It is heated by steam, has a complete system of motor ventilation, is supplied with water, gas and electric light; in short, is fully equipped with whatever is necessary for the work of instruction.

THE KELLOGG LIBRARY.

Named in honor of Lyman Beecher Kellogg, first president of the School. It was completed in 1903; an attractive building in exterior and interior. In arrangement and equipment it is well adapted to the purposes of a modern educational library. On the first floor are the young people's department, library science department, an educational document room, and lecture room. On the second or main floor are the reading room, reference department, the loan desk, the stacks, the cataloguing rooms, and the librarian's office.

THE TRAINING SCHOOL BUILDING.

Completed in 1905. It is arranged especially for practice teaching, and contains accommodations for the kindergarten and the eight grades of the common schools. It has a good equipment, with playroom, manual training, kindergarten, kitchen, and ample playgrounds. It is notable for its good light and ample ventilation. Valuable and appropriate pictures are on the walls. Its equipment is being added to from year to year.

THE NORTON SCIENCE HALL.

The building was named, by authority of the Regents, "The Norton Science Hall," in honor of Henry B. Norton, first teacher of natural Science in the School and associate principal under L. B. Kellogg. Modern laboratories and lecture roooms, equipped with the best scientific apparatus, are provided for the science work. The museum is rich in specimens illustrating the various lines of biological science.

GYMNASIUM AND ATHLETIC FIELD.

The gymnasium is one of the very best in the Middle West. It is in every respect modern, and is designed exclusively for the Department of Physical Education. The basement is almost entirely above ground, allowing plenty of light and direct ventilation. It is equipped with dressing rooms, steel lockers, shower baths and a swimming pool. The first floor, which is 185 by 66 feet in size, is divided by a rolling partition into two gymnasiums. One of these rooms is fitted for basket ball, baseball and other indoor games. The second floor has an exercise

room equipped with all modern gymnasium apparatus. The especially attractive feature of the building is the large basket-ball and exhibition rooms which, with its visitors' gallery, provides ample room for two thousand spectators. Adjoining the gymnasium is what is conceded to be the best athletic field in the state. This field, which is thoroughly tiled and drained, is provided with a quarter-mile cinder running track, with a 220-yard straightaway. It also has two football gridirons, three baseball diamonds, and nine tennis courts. Adjoining this field is a children's playground and a well-kept space for girls' athletic sports. The size and excellent equipment of the gymnasium, together with the variety of outdoor athletic possibilities and the large staff of expert teachers and coaches, prepares the Normal to more fully train teachers for the athletic and playground work required of teachers than any other school in the West.

MUSIC HALL.

Directly east of the Main Building. The building contains private studios for the instructors in instrumental and violin music, recitation rooms for classes in theory and harmony, and an office. It is well lighted by electricity, and furnishes very comfortable and convenient accommodations for the work of music.

THE EMERGENCY HOSPITAL.

Provided with equipment necessary for the care of the students who are ill. A trained nurse is in charge of the hospital. A small fee is required of all students for meeting the expenses of the nurse. The plan of caring for sick students has proved very effective. Precautionary and preventive measures have checked epidemics and conserved health.

THE HEATING PLANT.

Situated in the rear of the other buildings. It is equipped with a modern boiler and engine which furnish heat for all the buildings.

USE OF THIS CATALOGUE.

Prospective students will find by a careful study of this catalogue that they will secure in most cases the information desired.

ADMISSION AND REGISTRATION.

NEW STUDENTS. Before coming to the State Normal School, all persons should in all cases submit credits by the dates indicated below in order that they may make sure of admission to high-school courses, to college courses, or that the work submitted for credit will apply on the requirments for the certificate or diploma desired. The following paragraphs concerning admission should be read carefully. Careful attention in advance to these details often saves disappointment later.

ADMISSION TO HIGH SCHOOL. Any one who has completed the work of the common schools is admitted to the Normal Training High School.

Any one who has any high-school credits should ask the principal to send a transcript of the record, which should show the name of each course taken, the number of recitations or laboratory hours per week,

the length of these hours, the number of weeks given to each course, the final grade, and the time spent.

In earning the credits submitted, *monthly or yearly report cards or diplomas* should not be presented. Blanks for transcribing records will be furnished by the Registrar, to whom transcripts of record should be sent directly as early as May 15 if the student is planning to enter the following summer term, and by August 15 if the student is planning to enter in September.

ADMISSION TO COLLEGE. By act of the state legislature, all graduates of accredited high schools in Kansas are admitted to the Freshman class without examination or condition. See page 33.

Candidates for admission who are not graduates of accredited Kansas high schools must offer, either on examination or satisfactory certificate, fifteen units from the following list:

ENGLISH: Composition and Rhetoric, and Literature.
Required: 3 units.
May be submitted: 4 units.

MATHEMATICS:
Required: Algebra, 1 unit; Plane Geometry, 1 unit.
May be submitted: Algebra, 1½ units; Geometry, 1½ units; Plane Trigonometry, ½ unit; Arithmetic, ½ unit; Bookkeeping, 2 units.

FOREIGN LANGUAGE:
Required: See requirements for degree of Bachelor of Science in Education, page 40.
May be submitted: 1, 2, 3 or 4 units of Latin; 1, 2, 3 or 4 units of French; 1, 2, 3 or 4 units of Spanish; 1, 2, 3, or 4 units of Greek.

PHYSICAL SCIENCES:
Required: Physics or Chemistry, 1 unit.
May be submitted: Physical Geography, 1 or ½ unit.

BIOLOGICAL SCIENCES:
Required: Botany, 1 unit; Agriculture, 1 or ½ unit.
May be submitted: Zoölogy, 1 or ½ unit; Physiology, 1 or ½ unit; Elementary Science, 1 or ½ unit.

HISTORY AND SOCIAL SCIENCE:
Required: American History, 1 unit; European History, 1 unit. See requirements for degree of Bachelor of Science in Education, page 40.
May be submitted: Greek History, ½ unit; Roman History, ½ unit; Mediæval and Modern History, 1 unit; English History, 1 or ½ unit; American History, 1 unit; Economics, 1 or ½ unit; Civics, 1 or ½ unit.

PROFESSIONAL:
May be submitted: Psychology, ½ unit; Methods and Management, ½ unit.

ADDITIONAL ELECTIVES:
May be submitted: Commercial Law, 1 or ½ unit; Drawing, 1 or ½ unit; Manual Arts, 1 unit; Domestic Science, 1 unit; Domestic Art, 1 unit; Music, 1 unit. Not more than three units are accepted.

Any candidate from another state will be accepted on certificate showing the completion of these requirements provided the school in which his preparatory work has been done has been accredited by the state university in that state.

HIGH-SCHOOL CREDITS. Candidates for admission to college courses should ask the principal of the high school attended to send to the registrar, who will furnish blanks for this purpose, transcripts of record,

which should show the name of each course, the number of recitation or laboratory hours per week, the length of these hours, the final grade, and the duration of time spent in high school. *Monthly or yearly report cards and diplomas* should not be sent or presented. Transcripts of record should be sent by May 15 if the student is planning to enter the following Summer Term, and by August 15 if the student is planning to enter in September.

ENTRANCE EXAMINATIONS. Candidates for admission to college courses who are not graduates of Kansas accredited high schools may be given examinations in the above entrance subjects. Such persons should consult with the Registrar.

ADMISSION TO ADVANCED STANDING. The regulations governing admission to advanced standing are administered by a committee which examines into the merits of each case presented to it. Credit given depends on the individual case. These regulations are as follows:

1. Applications for advanced standing must be made at the time of entrance.

2. A transcript of record should be sent to the Registrar, which should indicate the name of each course, the number of weeks given to it, the number of recitation or laboratory hours per week, the length of these hours, the final grades, the duration of time spent in the institution attended, the degree conferred if any, with date, and the status of the student.

3. Advanced standing will not be given for work done during a four-year course of study in high school, academy or other preparatory school. College credit for work done in preparatory schools will be given upon examination only, and only for work done after graduation.

4. The maximum of advanced standing for junior college course of study is sixty semester hours. Such work will be rated only as junior college work. The maximum of advanced standing for work done during a four-year college course is ninety hours, except in cases where the candidate elects to meet the residence requirement in three summer terms for a degree, in which case the maximum advanced standing is ninety-six hours.

5. All advanced standing credit is provisional and may be withdrawn if the student's record does not justify the credit given at the time of entrance.

6. No credit will be allowed for irregular educational work, like teaching in institutes, or for high grades on certificates, nor shall successful educational experience constitute a presumptive claim for advanced standing. Recognition of long and meritorious service, which can be shown to have been really educational, however, may be made by the Committee on Advanced Standing, based upon departmental examination wherever possible.

UNCLASSIFIED STUDENTS. The following regulations should be noted:

1. All applicants for this kind of admission should be at least twenty-one years of age and have as much as three years of successful teaching experience.

2. The written approval of the head of the department in which college work is desired must be presented to the Registrar, who will furnish an application card for this purpose.

3. Persons of the maturity and experience and approval indicated, although unable to meet college entrance requirements, are admitted to college courses.

4. Unclassified students are subject to the usual requirements governing amount of credits, hours of preparation, hours of classroom and laboratory work, examinations and physical training. Unclassified student who prove unable to carry satisfactorily the work to which they have been admitted will be required to take work of lower grade.

REGISTRATION.

STUDENT ADVISERS. Each student comes under the direct advisory control of some member of the Faculty who assists him in outlining his work.

Students in attendance the second semester and who intend to remain in school for the Summer Term will register on May 24 or 25. A fee of $1 will be charged for late registration, unless valid reason can be shown for not registering on one of these days. New students will register on May 27 or 28. The late registration fee will be imposed on new students after May 29. The work of registration of students is done in the gymnasium, the east half of the second floor being given to the work of high-school students; the west half of the second floor to college students.

ROUTINE OF REGISTRATION. The following steps in the process of registration of students should be carefully noted:

1. *New students* should inquire at the Registrar's office, 122 Plumb Memorial Hall, if credits have been filed. *Card for new students* should at that time be filled in. (See above concerning credits.)

2. *Former students* desiring information concerning credits should apply at this office.

3. *All high-school students* should consult the Principal concerning courses to be taken. *All college students* should apply to the Dean for assignment to an Adviser, if assignment has not been made.

4. Under direction of this Adviser, student should fill in *Preliminary Registration Card,* showing all courses to be taken, work in physical training practice being included. (For amount of work that students may take, see paragraph below.)

5. *An Assignment Card* should be secured from the head of the department for each course to be taken.

6. The adviser should be asked for his signature to program made up, which should now be copied on the *Registration Card.*

7. Fees should be paid to the Bursar (see below for statement of fees).

8. All printed directions on cards used in registration should be observed.

PHYSICAL-TRAINING PRACTICE is required of all high-school students and of college freshmen and sophomores. There are no specific require-

ments except in the cases of students working for the Special Certificate, and in the case of those majoring in this subject.

CHANGES IN REGISTRATION. A student having registered is a member of such classes until changes are properly made. Credit will not be recorded except in accordance with the student's registration.

Any student who wishes to change his registration must present to the Registrar within *one week* after the opening of the semester, or term, his student card, no erasure, change or addition having been made in his program of studies as first made up. *High-school* students desiring a change in registration must first present this card to the Principal and then to the Registrar.

Students are not permitted to take up other work except in the way described.

Failure will be entered on the permanent record in the case of students who have left a class after two weeks from the first meeting and who have been negligent in asking for a change in registration.

AMOUNT OF WORK. High-school students are not permitted to register in more than four courses, or in less than two courses. With the permission of the Principal mature persons with teaching experience may carry five courses.

College students are not permitted to register for work giving less than eight hours credit, not including credit for one-half hour of physical-training practice, or without permission of the Committee on Extra Hours to register for work giving more than sixteen hours credit, not including credit for one-half hour of physical-training practice. Application blanks for extra hours may be had of the chairman of the Extra Hours Committee. They should be filed with the committee within the time indicated for registration.

Students working for board and room, or either, should take less than regular work.

VISITORS. Occasional visitors in classroom or laboratory work are, of course, welcome, but all persons who wish to be visitors any length of time beyond a few days must register, whether credit is desired or not.

It is not permitted students registered as "visitor" to change the registration for "credit" after the first week of the semester (or term), and then only if the rules governing the amount of work permit.

EMPORIA ADDRESS. Students should indicate their Emporia address and telephone number on registration card. If these are not known at the time of entrance, they should be reported promptly after the student is located. Failure to have this information makes impossible the delivery of letters and telegrams, and students' relatives and friends have often been unable to find them. Letters that cannot be delivered are returned to the post office, and then sent to the dead letter office. Ask at the office of the Registrar for a card for sending this information when it must be delayed.

IRREGULAR STUDENTS. The student is irregular who takes courses more than one semester in advance of his classification or who takes more than one course in any department, except as it can be shown that

such choice of courses is conforming to the required course of study. Students who are irregular in either of these ways pay fees as indicated below.

This regulation is not construed so as to deny any person who is, for example, a junior college student taking any course classified as junior college, provided he has done the work of the prerequisite courses.

The high-school student is regarded as irregular and subject to the payment of this fee if he enters a college course to which his classification does not entitle him. The fact that he has met all the prerequisites for this course does not in itself entitle him to the college course. Such student should no doubt take high-school courses in some other line or lines of work.

SUSPENSION. High-school students who fail in *two* courses (one course in the Summer Term) and college students who fail in *six* hours work (three hours in the Summer Term) are suspended for the next semester, or term. Suspended students may be reinstated only by the President.

FINAL EXAMINATIONS. After September 1, 1918, *final examinations* will be given as follows:

1. In all courses, except physical training practice.
2. Seniors graduating at the close of the second semester shall be excused from the examinations of that semester, provided their work is satisfactory.
3. Final examinations of the Summer School will be given at the last meeting of the class, the lecture hour being distributed to increase the period to sixty minutes.

ABSENCES. 1. For every "cut" there shall be deducted from the student's total credit, one-sixteenth of a semester hour.

2. An absence occasioned by any school activity, serious illness, quarantine and death or serious illness in the student's immediate family shall not be considered as a "cut."

3. An absence during the two days immediately preceding or following a vacation, and not coming under section 2, shall count as a "double cut."

4. Three cases of tardiness shall be construed as one "cut."

FEES.

All fees must be paid at the time of registration, or an arrangement made with the Bursar for payment, before any person is entitled to admission to classes or to other student privileges. Fees will not be refunded except in case of withdrawal within one week after the opening of the term. See Special Laboratory fee.

LATE REGISTRATION. A considerable amount of extra work and a great deal of confusion is caused by the neglect of students to register at the time set for this purpose. A fee of $1 will be charged those who do not register at the time provided, unless they present an acceptable excuse for the delay.

A STUDENT ACTIVITY fee of $2.50 each semester and $1 for the Summer School is charged each student. This admits the student to all

athletic contests, all numbers on the lecture course, debates, moving pictures, etc. It also gives the privilege of playing tennis and all other sports.

INCIDENTAL. Each student will pay a fee of $3 for the Summer Term and $3 per semester for general materials and reagents used in class work and for the wear and tear on the equipment in the laboratories, libraries, gymnasiums, etc.

LABORATORY. Students taking work in the sciences, manual training, home economics and other courses where laboratory work is required pay for the materials used. In case of withdrawal of students the unused portion of this fee will be refunded, the head of the department determining the amount due the student.

HOSPITAL. Each school year, or fraction thereof, all students in college and high-school work pay $1 per year, to be used as a fund for the care of the sick. A fuller statement appears below.

TYPEWRITER. A fee of $4 will be charged for the use of the typewriter by students in this subject.

MUSIC. For fees in Music Department, see under that head.

COMMERCIAL STUDENTS. Students who take only the commercial courses are classified as irregular, and are held for the payment of irregular fees.

NONRESIDENCE. Nonresident students pay a fee of $10 for the semester in addition to other fees. This applies to students who have not been living in Kansas for six months prior to registration.

CORRESPONDENCE WORK. Students taking work by correspondence pay fees indicated in special correspondence circular.

EXAMINATION. Students taking an examination for credit pay a fee of $1 for each examination taken. Students pay the regular examination fee of $1 for the privilege of taking the county examination under supervision of the State Normal School.

IRREGULAR FEES. Irregular in one course, $4. See paragraph, *Irregular Students.*

WITHDRAWAL.

Any student who wishes to withdraw from the School should ask the Registrar for a note of withdrawal. Unauthorized withdrawal always involves difficulty for students. For information in cases of withdrawal see under *Fees.*

STATEMENT OF ATTENDANCE.

A statement of attendance is often required of students by superintendents or boards of education. Any person desiring such statement should apply at the Registrar's office before the date of leaving school. It is difficult, if not impossible, to determine after the close of the semester the exact number of weeks of attendance.

BOARD AND ROOMS.

Board in clubs costs from $4 to $4.50 per week. Those who board themselves reduce the cost about one-half. Coöperative boarding clubs, $2 to $2.75 per week.

Rooms, unfurnished, $3 to $5 per month; furnished, $5 to $10 per month, for two students in room, according to size and convenience.

It is not necessary for students to engage rooms before they come to Emporia. It is always more satisfactory to see rooms and to defer making arrangements concerning the transfer of baggage until a satisfactory room has been found.

A faculty committee has direct supervision of the rooming-house facilities. All rooms offered for student use are carefully inspected, and a record made of the conveniences offered, and also of the hygienic conditions, both inside and outside the house, which might have a bearing upon the student's health. The location and the price asked for each room are carefully tabulated, and lists of approved rooms are placed at the disposal of all students immediately on their arrival in Emporia. The lists of girls' rooming houses may be found in the office of the Dean of Women, and the lists of boys' rooming houses will be found in the Young Men's Christian Association office.

A standing rule of the Normal School requires boys and girls to room in separate houses. Rooms should not be selected which are not found on these approved lists, as the committee has full power to require a student to move from a location which does not come up to every reasonable requirement of the School. This committee also occasionally visits the boarding clubs in order that they may keep in touch with the general conditions under which food is furnished to the student. Students should report all complaints in regard to accommodations, unsanitary conditions, or contagious disease in the student body to Dr. White.

Every student renting a room should sign an agreement with the landlady covering points about which there is a possibility of a misunderstanding.

Students should plan to be in Emporia at least two days before school opens, in order to get the best accommodations. Students desiring to do some work during the school year should write to the Y. W. C. A. or the Y. M. C. A. several days before school opens, stating the kind of work desired.

SUPERVISION OF STUDENT LIFE.

The Dean of Women has special charge of the comfort, health, scholarship and social relations of the young women of the institution.

There are no halls of residence at this Normal School, but suitable homes are provided in private families. These rooms are inspected, and although responsibility for them cannot be assumed by the institution, they are placed on an approved list. By a rule of the institution, women students may room only in such houses as accommodate women exclusively, and which provide a parlor for the reception of visitors. Women students may room in other houses only by the permission of the Dean of Women.

A change in rooming place must not be made by any young woman without the permission of the Dean.

All social events must be registered in the Dean's office. Excuses for absences must be presented to her. Women students leaving town must report the same to her. Should a projected trip involve absence from class, permission must be obtained from her. Correspondence with inquiring parents and guardians is desired.

Freshman lectures for girls are given by the Dean of Women once a week during each semester. These lectures present matters of information useful to all just entering college. All Freshman girls and all girls in this School for the first time are required to attend these lectures for one semester of their first year in this School. No credit is given.

CREDIT.

HIGH-SCHOOL CREDIT. The *unit* is the measure of high-school work and credit. A high-school course that continues through the school year of thirty-six weeks, with five classroom periods of fifty minutes, is one unit of work and gives one unit of credit. In laboratory courses the number of weeks and the period is the same as in other courses, with three classroom periods and two double laboratory periods per week.

COLLEGE CREDIT. The *semester hour* is the measure of college work and credit. A college course that continues through the semester of eighteen weeks, with one period of fifty minutes of classroom work, is one semester hour of work and gives one semester hour of credit. Laboratory courses require twice as much time as is required in classroom work.

OLD COURSES OF STUDY.

The following statement of equivalents is made for the benefit of graduates of courses of study formerly given. Those who wish to continue their work will find here their standing in terms of semester hours of credit. The requirements for the several certificates now given, as well as for the degree of bachelor of science in education, are indicated in their respective places. These are taken at full value in meeting present requirements.

They have, in addition to sufficient work for college entrance, credit value as follows:

Elementary, 32 hours.
English, 64 hours.
English-German, 64 hours.
Latin, 64 hours.

EMPLOYMENT FOR STUDENTS.

Students who desire to earn all or part of their expenses while in school may be able to secure employment of different kinds through the Y. M. C. A. secretary, and Dean of Women, who are in charge of the Normal Employment Bureau.

Men students receive from twenty to thirty cents per hour for the following kinds of work: Janitor service in buildings and on grounds

of the Normal School, making gardens, cleaning and improving yards, caring for live stock, house cleaning, clerking, etc.

Women students receive from twenty to twenty-five cents per hour for the following kinds of service: General housework, care of children, sewing, clerking, ironing, etc.

Full board or board and room for both men and women can often be secured in return for steward service at student boarding clubs, waiting table, washing dishes, cleaning, etc., or for the equivalent of from three to four hours per day in private families.

In many cases persons desiring student help require an interview with students. It is well for those desiring employment to come to Emporia.

For regulation concerning the number of courses that those who do outside work may take see page 19.

HOSPITAL FUND.

This fund is provided by the fee of one dollar per year paid by all students in college and high-school courses. It is used to pay salary of the head nurse, for such emergency hospital supplies as are necessary, and for unavoidable expenses required for proper care of the sick. The hospital fund has met with generous approval and has contributed to better general health and to the comfort of the students.

The hospital fund is administered subject to the following rules:

1. That the responsibility of the nurse extends to the advising of students in cases of mild illness and to the care of more serious cases until other arrangements can be made.
2. That the building be called the "Normal Emergency Hospital," and the fund be designated "Emergency Hospital Fund."
3. That students will be taken from their rooms to the hospital only in cases of emergency.
4. That patients be cared for in the Emergency Hospital no longer than the time necessary to communicate with their parents or friends and arrangements can be made for their safe removal.
5. That patients cared for in the hospital pay day charges at the rate of seventy-five cents a day. This will cover food and simple remedies, but includes neither doctor's fees nor prescriptions.
6. That patients in the Emergency Hospital may call the physician they prefer, and will be under his care and that of the resident nurse until removed.
7. That cases of contagious diseases be not taken into the Emergency Hospital.
8. That a housekeeper be employed at the Emergency Hospital to care for the house and to furnish meals.
9. That the nurse may have certain hours within which she will make calls.

SURGICAL DRESSINGS.

Students have an unusual opportunity to make surgical dressings as prescribed by the American Red Cross under certified instruction. Miss Irene Howat, instructor in physiology, is in charge of the surgical

dressings work rooms which are maintained by the Normal School Red Cross Auxiliary. Miss Bessie Keeran and Miss Bernice Johnson are also certified instructors. The Normal School nurse, Mrs. Mary P. Kirtlan, is a registered Red Cross nurse, and is also certified as an instructor in surgical dressings and in home nursing.

COUNTY EXAMINATIONS.

Students, upon the payment of the usual examination fee of one dollar for each examination, may take the examination for county certificates, to be conducted under the supervision of the State Normal School. The papers in such examination will be sent to any county designated by the applicant, there to be examined by the county board of examiners, who will issue certificates to the successful applicants under the same conditions as if the examination has been conducted under their supervision.

The dates of the county teachers' examinations are June 21 and 22, 28 and 29, July 26 and 27, and October 25 and 26, 1918, and January 24 and 25, 1919.

STUDENTS' LOAN FUND.

The class of 1899 made a gift of $111.60 to be used as a fund for aiding students. The fund was put in the care of a board of trust composed of the president, vice president, and the head of the Department of Physics and Chemistry. Students who are within one year of graduation have preference in securing loans. When their needs have been met other students may secure loans in order of seniority. The plan proved to be satisfactory, and several other classes have added to the fund. Following is a statement of the fund to date, February 12, 1918.

GIFTS BY CLASSES.

Class of 1899	$111.60
Class of 1900	107.56
Class of 1901	141.65
Class of 1905	27.00
Class of 1908	235.00
Class of 1909	168.28
Class of 1910	197.90
Class of 1911	107.16
Class of 1912	79.50
Class of 1913	51.55
Class of 1914	75.00
Class of 1915	84.07
Special, 1916	1.00
Freshmen, 1916	7.20
Class of 1916	70.04
Total gifts to date	$1,464.51
Present worth of fund, January 1, 1917	$2,261.06
Present worth of fund, February 12, 1918	$2,426.10

This report does not include interest due and unpaid February 12, 1918.

The making of loans is in the hands of the committee above mentioned, of which Prof. James W. Mayberry is treasurer. Students interested should inquire of him.

SUMMER SCHOOL.

The courses given in the Summer School represent the work of the various departments. Credit earned then applies to the requirements the same as does credit earned at other times of the year. The courses given and the credit of each are indicated in the beginning of each course description. The library, laboratories and gymnasium are open for the use of students. In addition to regular courses there will be many special features of interest to teachers—review courses, the work of the Training School, and special lectures for which credit is given.

A number of courses especially adapted to meet the needs of persons interested in war problems will be offered. Write for special catalogue.

One hour's credit will be given to those who hear the morning lecture and who keep a satisfactory notebook.

All students not taking the lectures for credit will be required to attend twelve lectures.

SPECIAL LECTURES.

A strong feature of the Summer School for 1918 will be a series of lectures of the most educational nature, which may be taken for credit. One semester hour's credit will be given all students who hear the morning lectures and keep a satisfactory notebook. All students not taking the lectures for credit will be required to attend twelve lectures during the Summer Term. The student is advised to distribute these over the eight weeks of the Summer School.

Prof. Vernon L. Kellogg, Leland Stanford Jr. University, first aid to Herbert Hoover in the Belgian relief work in Belgium and Germany during the first two years of the war, will lecture during the week beginning June 10.

President Elmer Burritt Bryan, Colgate University, one of the most eloquent and magnetic of platform speakers, gives the week beginning June 17.

Mr. Edgar E. Slosson, literary editor of *The Independent*, New York City, will present a series of most timely lectures on "The New World" during the week beginning July 8.

Dr. Jerome Hall Raymond, whose illustrated lectures and addresses on the social and political life of European countries have marked him as one of America's greatest lecturers, will be present for the work beginning July 15.

Henry J. Allen and Willian Allen White, representing the National Red Cross, will speak on what they saw on European battle fields and what this means to America.

Other men of prominence will help to make our summer's program the most interesting and educational ever offered by the institution.

FIFTY-THIRD ANNUAL COMMENCEMENT SPEAKERS, 1917.

Dr. George L. Combs, pastor Independence Boulevard Christian Church, Kansas City, Mo., *baccalaureate sermon*, May 27.

Bishop Frances J. McConnell, Methodist Episcopal Church, *commencement address*, May 30.

SUMMER SCHOOL SPEAKERS, 1917.

Dr. Chas. H. Judd, director of the School of Education, University of Chicago, *Educational Psychology.*

Dr. C. A. Prosser, director Dunwoody Industrial Institute, Minneapolis, Minn., *Vocational Education.*

Dr. T. N. Carver, professor of economics, Harvard University, *Rural Sociology.*

Miss Theda Gildemeister, State Normal School, Winona, Minn., *Primary Education.*

W. Adams Puffer, Boston Vocational Bureau, *Vocational Guidance.*

Dr. A. E. Winship, *Journal of Education,* Boston, Mass., *Education.*

ENTERTAINMENT AND LECTURE COURSE FOR THE SCHOOL YEAR, 1917-1918.

James Goddard, *baritone;* Ruth Ray, *violinist,* October 11.

Merle and Bechtel Alcock, *contralto and tenor,* November 13.

San Carlo Opera Company, "*Carmen,*" December 14.

Cecil Fanning, *baritone,* January 7.

Richard T. Wyche, *story-teller,* January 16.

James A. Burns, *lecturer,* January 26.

OTHER ATTRACTIONS.

Oliver Morosco, "*Little Bird of Paradise,*" January 17.

May Robson, "*A Little Bit Old Fashioned,*" February 15.

Clifford Devereaux Players, "*The Romancers,*" "*The Doctor by Compulsion,*" "*The Bishop's Candlesticks,*" and "*Ghosts,*" February 27 and 28.

CHAPEL SPEAKERS FOR THE SCHOOL YEAR, 1917-1918.

Dr. C. E. Bradt, "*Missions,*" September 24.

Bishop James C. Wise, "*To Company L,*" September 28.

Mr. Bruce Kennedy, "*Food Conservation,*" October 2.

Dr. Wilbur N. Mason, Board of Administration, "*Life's Overplusses,*" October 20.

President William Lowe Bryan, University of Indiana, "*The Trap,*" November 7.

Miss Mollie Best, "*Stories of Slum Life,*" January 23.

Governor Arthur Capper, *Founder's Day address,* February 8.

Judge Lyman Beecher Kellogg, *Founders' Day address,* February 8.

President S. A. Lough, Baker University, "*Morality and the War,*" February 25.

Lieut. Paul Perigord, *The War,* March 10.

Rev. E. S. Stucker, D. D., Pastor First Baptist Church, Emporia, *Educated for What?* March 18.

Mr. Henry H. Asher, *The Liberty Loan,* March 18.

Acting-President Charles F. Scott, College of Emporia, *Why We Are at War,* March 20.

BIBLE STUDY WORK.

Credit is given for Bible study in local Sunday Schools. The Bible as literature, courses dealing with the pedagogy of Bible study, and courses in Bible history may be submitted for credit. Students of high school

and college grade are eligible for credit. The semester hour is the measure of credit for such courses. The maximum credit in one school year is one semester hour, and the maximum credit which may be allowed a person is three semester hours. Thus far only persons who are registered as Normal School students have been given credit for work done. It is required that students who wish credit should register for approved courses in making up their semester programs. All courses for which credit is desired must be submitted to the Bible Study Committee by September 1. Full information must be given concerning the lines of work to be offered, the time to be given each Sunday, or other time of meeting of the class, the ages of the students, and the qualifications of the teacher. The committee reserves the right to give examinations, or to examine reports, papers, etc., required of students as a part of the work done. Any one wishing further information should write the Registrar.

THE TRAINING SCHOOL.

ELEMENTARY SCHOOL, JUNIOR HIGH SCHOOL, SENIOR HIGH SCHOOL, AND THE CITY SCHOOLS OF EMPORIA.

PRACTICE TEACHING.

The main features of the administration of teacher training are as follows:

There are three training schools organized and used for observation, practice teaching, and experimental purposes—the Elementary School, the Junior High School and the Senior High School. In addition to the training done in these three schools a system of apprenticeship teaching in the city schools of Emporia is provided.

The Elementary School is composed of a kindergarten and the first six grades, which are grouped in three divisions, as follows: kindergarten, presided over by a head supervisor, one assistant supervisor, and a special supervisor of music; primary grades, one head supervisor, three assistant supervisors, and special supervisors of muic and physical training; intermediate grades, one head supervisor, three assistant supervisors, and special supervisors of music, physical training, drawing, manual training, home economics, and penmanship.

The Junior High School is composed of the seventh, eighth and ninth grades, and the Senior High School of the tenth, eleventh and twelfth grades. Each school is presided over by a principal. The work of these two schools is completely departmentalized, having a special supervisor for each branch or activity.

The general administrational head of these three schools and of teacher training wherever it occurs is the director of teacher training.

The apprenticeship training is conducted by certain teachers of the city schools, chosen and directed by the city superintendent of schools and the director of teacher training of the Normal School. As this work develops a supervisor will be chosen to take charge of this work.

Another interesting development is the close relationship coming to exist between special methods courses and practice teaching. After all prerequisites for practice teaching in the intermediate grades, junior

or senior high school have been completed, a student elects one or two special methods courses (according to requirements) in the same subject or subjects in which he wishes to elect his practice teaching. Under certain conditions he may be allowed to take his practice teaching and special methods at the same time. The special methods subjects are conducted by the supervisors. For example, the supervisor of practice teaching in English also gives the course in special methods in English. A given supervisor, therefore, has charge of a group of students taking his methods subject and his practice teaching. In this way practice and theory are closely related. In like manner the head supervisors of the primary and kindergarten departments give primary methods and kindergarten technic. As special methods teachers the supervisors are members of the corresponding college departments, as well as members of the corps of supervisors of one of the training schools. Thus the "gaps" between the training schools and the other departments are closed.

In general all candidates for the B. S. degree in Education may elect their practice teaching in the senior and junior high schools, and all candidates for life certificates may elect their practice teaching in the elementary school and the junior high school. More and more the junior high schools throughout the United States will require the bachelor's degree or its equivalent as adequate preparation for teaching.

More and more the training schools, especially the elementary and junior high schools, are becoming experimental. In view of this fact we are assigning students without teaching experience for their first practice teaching to the city schools, where they may learn and execute matters of school routine and teach classes under the ordinary conditions of public-school work. On the other hand, students of teaching experience are assigned to one of the training schools for their practice teaching in order that they may make new adjustments and solve new problems. The training schools, therefore, are being organized to meet the needs of experienced teachers.

During the present school year the Bureau of Educational Standards and Measurements will use the training schools for trying out and developing new tests and methods. The parctice teachers will participate in this work, as well as learn how to use all of the present standard tests. Practice teachers in the training schools receive considerable training in socializing instruction, in conducting problem instruction, and in supervising study. Last year a few practice teachers participated successfully in arranging conditions for pupil government, while others participated in a series of very successful parent-teachers' meetings.

BUREAU OF EDUCATIONAL MEASUREMENTS AND STANDARDS.

This bureau was established by the Board of Educational Administration for the purpose of assisting superintendents and teachers in applying measurements and standards in the public schools of the state. In fulfilling this function a large quantity of valuable data accumulates in the office of the bureau. These data are available to students for the study of educational problems.

EXTENSION DIVISION.

All phases of extension work done by the Kansas State Normal are centralized in the Extension Division. The Division consists of the following departments:

APPOINTMENT BUREAU.

This Bureau is managed jointly by the institution and the Alumni Association through a board of seven members. The registration in the bureau is eighteen hundred, and from this number candidates for every line of school work can be selected. Those enrolled are carefully catalogued and classified, so that recommendations may be quickly made. Information concerning candidates is in every case to be returned to the Bureau. The Appointment Bureau insures more certain placing of teachers at graduation and more rapid advancement of those in the field. It provides a systematic method for getting school boards and teachers together. It keeps on file complete and accurate reports as to the success of its teachers. It sends out teachers almost every week in the year.

CORRESPONDENCE-STUDY DEPARTMENT.

The State Normal School is doing a constantly increasing amount of work in correspondence study. Work by correspondence is offered in practically every department of instruction. A fee of $10 per year is required. This work is all outlined in a special catalogue, which may be had for the asking. This department enables students to make progress whether they can attend school or not.

Any amount of high-school work may be done by correspondence. Not more than one-half the credit required for any certificate or diploma may be accumulated by correspondence. This in no way operates to reduce residence requirements stated elsewhere.

In conjunction with the work in correspondence study provision is made for the organization of study groups, to be conducted by members of the Faculty. A number of such groups have been organized over the state. Those who complete satisfactorily the work in these groups are given credit which counts toward graduation just the same as work done here in residence. Several such groups are at work this year.

EXTENSION LECTURE DEPARTMENT.

This department offers lectures and entertainments to the communities of Kansas. Every activity of the School is represented in the extension pamphlet issued by this department. Teachers' associations, parents' meetings, social centers, men's clubs, women's clubs and other organizations can select to advantage from the list of lectures and entertainments offered. Special attention is given high-school plays and public-speaking work in high school.

In coöperation with the Library, this department takes care of inquiries as to library helps, book lists, etc. It offers the advice of Faculty members in regard to building and equipment of school plants, methods of instruction, etc. Special effort is made to answer fully every inquiry that is received.

This department also provides a Victrola, with records and lectures on music appreciation, motion pictures, microscope slides, lantern slides, drawing exhibits, etc.

RURAL SCHOOL BUREAU.

The Rural School Bureau is a new department added this year to the Extension Division. The bureau is in charge of a board of eight members, each of whom is intimately acquainted with some phase of the work in rural schools. Its chairman is the professor of rural-school administration. The board makes plans in the interest of rural schools and the clerical force of the division sees that they are carried out. Special helps of various kinds are being furnished to rural schools, and through cooperation with county superintendents and several hundred rural teachers plans for bettering the programs and teaching of various subjects are being tried out. This bureau promises to become one of the strongest departments of the division.

PUBLICITY.

The dissemination of all news of the School and all publications, such as its magazine, *Teaching*, and the various special bulletins, is provided by the Publicity Department, under the general direction of the Publicity Committee of the Faculty.

ALUMNI ORGANIZATIONS.

The Alumni Department takes care of all alumni meetings and records, publishes an alumni catalogue and news letter from time to time, manages the property of the association, and serves as general alumni headquarters every day in the year.

Inquiries concerning any of these phases of extension work should be addressed to Extension Division, Kansas State Normal, Emporia, Kan.

THE LIBRARY.

The Kellogg Library Building is described on another page, in connection with "Buildings and Grounds."

The library has 42,000 classified and catalogued volumes, 1,700 bound and catalogued pamphlets, and thousands of unbound classified pamphlets. All material in the library is available, either through classification and filing or through the catalogue. The annual accessions average 3,000 volumes. More than 300 periodicals of educational and general interest are received and preserved. Kansas newspapers to the number of 350 are received regularly and are available to students. The library is open for use 84 hours each week; the average hourly attendance of readers is 125. The staff consists of nine trained library workers.

Some special features of the library are:

REFERENCE DEPARTMENT. An unusually strong equipment of up-to-date book tools—keys to all other books. In vertical file, instantly available by topic, are thousands of newspaper and magazine clippings, affording material not elsewhere available. Also in vertical file are reading and reference lists on several thousand topics, suggesting best sources of information. Government documents and pamphlets are systematically filed, indexed, and available. Educational documents, state

and city reports and courses of study are received from all parts of the country, listed and classified. The files of bound periodicals in the mezzanine stack, adjoining the reference room, are unusually comprehensive.

SCHOOL DEPARTMENT. This is a model public-school library in selection, equipment, and atmosphere. It occupies two rooms on the first floor of Kellogg Library. It has its own librarian and assistant, its own catalogue, and more than three thousand recommended books. Its collection of several thousand mounted pictures, filed by topics in vertical file, its post-card collection and its lantern-slide collection are in constant use. Its facilities are eagerly used by pupils of the Training School, practice and supervision teachers, and visiting teachers and parents.

EXTENSION SERVICE. The library began its extension service in January, 1913. Books, pamphlets, and clippings are sent through the mails to responsible parties, at their expense both ways, for school debates, orations, and essays; for papers and addresses by teachers and school officers; for papers by club women; and for correspondence-study courses conducted by the School. This department also answers many questions on library organization, issues three series of library information circulars ("Kansas Library Newsletter," "Library Extension Circular," and "Kansas School Library Leaflet"); and the librarian and assistants make addresses or visit libraries for advisory purposes.

CHAPEL.

Chapel exercises are held from 10 to 10:20. Attendance is required.

PUBLICATIONS.

In addition to the General Catalogue published in March, the following publications are put out by the Kansas State Normal School:

TEACHING, a magazine published monthly, devoted to all phases of educational and teacher-training work. Six thousand copies of each edition are distributed to teachers and school officers of Kansas. Each issue is devoted to some special educational topic. The magazine is edited by Prof. E. R. Barrett, of the English Department, and will be sent free of charge to any one in the state of Kansas.

SUMMER SCHOOL CATALOGUE, issued yearly, in January for the Summer School following. Catalogue sent upon request.

CORRESPONDENCE-STUDY CATALOGUE, issued each year by the Extension Division, contains full information concerning courses, fees, time, etc., in correspondence work. This catalogue is sent free to any one upon request.

EXTENSION CATALOGUE, issued annually by the Extension Division, contains full information regarding lectures, lyceum courses and special features of various kinds provided by the State Normal School.

MUSIC CATALOGUE, issued once a year by the Music School, and containing full information about instruction in public-school music, voice, piano, violin, harmony, theory, history of music, etc. Sent on request.

ALUMNI CATALOGUE, issued by the Extension Division, and containing register of alumni as well as other information concerning the School and the Alumni Association. May be had for the asking.

THE SUNFLOWER, the year-book of the School, published by the student body. Distributed through the Annual Staff.

SPECIAL BULLETINS, such as plays and games, school gardening, etc., are published from time to time.

THE STATE NORMAL BULLETIN, published weekly by the students through the *Bulletin* staff, elected each year from the student body.

CLASSIFIED LIST OF HIGH SCHOOLS.

The following classification of high schools, based on the recommendation of the state high-school supervisors, was adopted by the State Board of Education August 15, 1917:

ACCREDITED—CLASS A.

Abilene.
Alma.
Anthony.
Arkansas City.
Ashland.
Atchison.
Belleville.
Beloit.
Burlington.
Caney.
Chanute.
Chapman.
(Dickinson Co.)
Cherryvale.
Clay Center.
(Clay Co.)
Colby.
(Thomas Co.)
Columbus.
(Cherokee Co.)
Concordia.
Cottonwood Falls.
(Chase Co.)
Dodge City.
Douglas.
Effingham.
(Atchison Co.)
El Dorado.
Ellsworth.
Emporia.
Eskridge.
Eureka.
Fort Scott.
Frankfort.
Fredonia.
Galena.
Garden City.
Garnett.
Girard.
Goodland.
(Sherman Co.)
Great Bend.
Greensburg.
(Kiowa Co.)
Hays.
Herington.
Hiawatha.
Hoisington.
Holton.
Horton.
Humboldt.
Hutchinson.
Independence.
(Montgomery Co.)
Iola.
Jewell City.
Junction City.
Kansas City.
Central.
Argentine.
Sumner.
Kingman.
Kinsley.
Larned.
Lawrence.
Leavenworth.
Lindsborg.
Lyons.
Manhattan.
Mankato.
Marion.
Marysville.
McPherson.
Medicine Lodge.
Minneapolis.
Neodesha.
Newton.
Nickerson.
(Reno Co.)
Norton.
(Norton Co.)
Olathe.
Onaga.
Osborne.
Ottawa.
Paola.
Parsons.
Pittsburg.
Pratt.
Rosedale.
Russell.
Sabetha.
Salina.
Seneca.
Smith Center.
Stafford.
Sterling.
St. John.
Topeka.
Valley Falls.
Wa Keeney.
(Trego Co.)
Wamego.
Washington.
Wellington.
(Sumner Co.)
Wichita.
Winfield.
Yates Center.

ACCREDITED—CLASS B, RANK I.

Altamont.
(Labette Co.)
Alton.
Altoona.
Argonia.
Atwood.
(Rawlins Co.)
Augusta.
Axtell.
Baldwin.
Belle Plaine.
Blue Rapids.
Bonner Springs.
Bucklin.
Burlingame.
Caldwell.
Canton.
Cawker City.
Cedar Vale.
Cherokee.
(Crawford Co.)
Cimarron.
Clearwater.
Clifton.
Coldwater.
Colony.
Council Grove.
Downs.
Ellinwood.
Erie.
Fairview.
Florence.
Formoso.
Fowler.
Greenleaf.
Halstead.
Harper.
Hartford.
Howard.
Kincaid.
Lebanon.
Liberal.
Lincoln.
Little River.
Lyndon.
Macksville.
McLouth.
Meade.
Moline.
Mt. Hope.
Ness City.
Nortonville.
Oakley.
Oberlin.
(Decatur Co.)
Osage City.
Oskaloosa.
Osawatomie.
Peabody.
Phillipsburg.
Plainville.
Pleasanton.
Reading.
Robinson.
Rose Hill.
Sedan.
Sedgwick.
Solomon.
Stockton.
Syracuse.
Tonganoxie.
Troy.
Waterville.
Wathena.
Waverly.
Wellsville.
Wetmore.
White Cloud.
Whitewater.
Wilson.

ACCREDITED—CLASS B, RANK II.

Alden.
Atlanta.
Attica.
Belpre.
Bronson.
Buffalo.
Burden.
Burr Oak.
Burrton.
Burns.
Centralia.
Chase.
Cheney.
Claflin.
Clyde.
Covert.
Delphos.
Dighton.
(Lane Co.)
Edna.
Ellis.
Elwood.
Enterprise.
Gardner.
Glasco.
Gypsum.
Harveyville.
Highland.
Hill City.
Hoxie.
(Sheridan Co.)
Jetmore.
(Hodgeman Co.)
Kiowa.
Lakin.
Lebo.
Leon.
Le Roy.
Linwood.
Logan.
Lucas.
Luray.
Madison.
Marquette.
Melvern.
Morrill.
Mound City.
Moundridge.
Mulberry.
Mulvane.
Natoma.
Neosho Rapids.
Neosho Falls.
Norwich.
Oswego.
Oxford.
Ozawkie.
Pawnee Rock.
Perry.
Pomona.
Protection.
Quinter.
Quenemo.
Rossville.
Scott City.
(Scott Co.)
Severance.
Severy.
Sharon Springs.
Silver Lake.
Spearville.
Spring Hill.
St. Francis.
(Cheyenne Co.)
St. Marys.
Summerfield.
Toronto.
Tribune.
(Greeley Co.)
Valley Center.
Wakefield.
Westmoreland.
White City.
Williamsburg.
Winchester.

ACCREDITED—CLASS B. RANK III.

Admire.
Agra.
Allen.
Almena.
Alta Vista.
Americus.
Andover.
Anthony.
(Spring Twp.)
Arlington.
Assaria.
Auburn.
Barnard.
Barnes.
Basehor.
Bazine.
Beattie.
Benedict.
Bennington.
Benton.
Beverly.
Brookville.
Brownell.
Bunkerhill.
Bushong.
Carbondale.
Cassoday.
Chetopa.
Circleville.
Clayton.
Coats.
Codell.
Conway Springs.
Corning.
Courtland.
Culver.
Cunningham.
Delia.
Denton.
Derby.
De Soto.
Dexter.
Dunlap.
Easton.
Edwardsville.
Elkhart.
Elsmore.
Englewood.
Esbon.
Eudora.
Everest.
Ford.
Garden Plain.
Garfield.
Geneseo.
Glen Elder.
Goddard.
Goff.
Gove.
Greeley.
Grenola.
Grinnell.
Hamilton.
Hanover.
Haven.
Havensville.
Haviland.
Hazelton.
Healy.
Hope.
Hugoton.
Ingalls.
Irving.
Isabel.
Jamestown.
Kansas City.
(Wilson H. S.)
Kensington.
Kipp.
Kirwin.
La Crosse.
La Cygne.
La Harpe.
Lane.
Lansing.
Latham.
Lecompton.
Lenora.
Leoti.
Lewis.
Longton.
Louisville.
Lovewell.
Maize.
Maple Hill.
McCracken.
McCune.
Merriam.
Meriden.
Mildred.
Milton.
Minneola.
Montezuma.
Morehead.
Mound Valley.
Muscotah.
Narka.
New Ulysses.
(Grant Co.)
Norway.
Netawaka.
Oakland.
Oketo.
Overbrook.
Palco.
Plevna.
Portis.
Potwin.
Preston.
Pretty Prairie.
Randall.
Randolph.
Ransom.
Republic.
Rock Creek.
Rosalia.
Rozel.
Russell Springs.
Santa Fe.
(Haskell Co.)
Savonburg.
Sawyer.
Scandia.
Sharon.
Spivey.
Stark.
St. John.
(Antrim H. S.)
Sylvan Grove.
Sylvia.
Tescott.
Thayer.
Topeka.
(Highland Park.)
Towanda.
Turon.
Udall.
Utica.
Vermilion.
Viola.
Waldo.
Walnut.
Walton.
Welda.
Westphalia.
Whiting.
Wilsey.
Windom.
Winona.
Woodston.

SCHOOLS APPROVED FOR ONE, TWO, AND THREE YEARS OF HIGH-SCHOOL WORK.

THREE YEARS.

Abbeyville.
Arcadia.
Baxter Springs.
Bentley.
Berryton.
Corwin.
Elk City.
Galva.
Hardtner.
Hollenberg.
Morganville.
Offerle.
Paradise.
Saffordville.
Vinland.
Woodbine.

TWO YEARS.

Adams.	Elmdale.	Monument.	Reserve.
Agenda.	Havana.	Norcatur.	Rolla.
Bavaria.	Holcomb.	Overland Park.	Vernon.
Bushton.	Johnson.	Piedmont.	Wauneta.
Climax.	(Stanton Co.)	Plains.	

ONE YEAR.

Alexander.	Roxbury.	Wallace.

PRIVATE INSTITUTIONS.

Baldwin	Baker Academy.
Concordia	Nazareth Academy.
Dodge City	St. Mary of the Plains Academy.
Emporia	Normal High School.
Enterprise	Normal Academy.
Hesston	Hesston Academy.
Hillsboro	Tabor College.
Kansas City	Catholic High School.
Lawrence	Oread High School.
Leavenworth	Catholic High School.
Lindsborg	Bethany Academy.
Manhattan	Sacred Heart Academy.
McPherson	Central College Academy.
McPherson	McPherson College Academy.
Miltonvale	Wesleyan College Academy.
Newton	Bethel Academy.
Ottawa	Ottawa University Academy.
Paola	Ursuline Academy.
Salina	Sacred Heart Academy.
Topeka	College of the Sisters of Bethany.
Topeka	Washburn College Academy.
Wichita	Friends Academy.

ACCREDITED COLLEGES.

The following educational institutions have been placed by the State Board of Education on the accredited list in accordance with chapter 276, Laws of 1911.

INSTITUTIONS IN KANSAS.

NAME OF SCHOOL.	Location.	First accredited.	Law of 1911.
Baker University	Baldwin	1899	1912
Bethany College	Lindsborg	1899	1912
Cooper College	Sterling	1901	1912
College of Emporia	Emporia	1899	1912
Fairmount College	Wichita	1899	1912
Friends University	Wichita	1900	1912
Kansas Wesleyan University	Salina	1900	1912
McPherson College	McPherson	1900	1912
Midland College	Atchison	1903	1912
Ottawa University	Ottawa	1899	1912
Southwest Kansas College	Winfield	1900	1912
University of Kansas	Lawrence	1899	1912
Washburn College	Topeka	1904	1912
Bethel College	Newton	1915	1915

DEPARTMENT CLUBS.

THE MATHEMATICS CLUB is an organization for those students whose major subject is mathematics, and who are especially interested in the current literature regarding the history and the teaching of mathematics. Its membership is restricted to those having full collegiate standing. The meetings are held the second Wednesday evening of each month.

THE MODERN LANGUAGE CLUB is an organization open to all students of the department. It meets on the second and fourth Wednesday even-

ings of each month of the regular school year. Its chief objects are the discussion of valuable books and periodicals, the observation of important holidays and anniversaries peculiar to the French, German and Spanish-speaking countries and the enjoyment of pleasant social hours.

THE EUROPEAN HISTORY CLUB is organized for those students who are interested particularly in the study of European history. Its aim is to draw the students through this special interest into closer social and intellectual union. The study of some historical theme is pursued throughout the year, the students themselves taking a large part in the presentation and discussion of the subject. The club meets on the first and third Wednesdays of each month.

THE PHYSICS CLUB meets monthly on Wednesday at 7:30 p. m. From an enrollment of a dozen at its initiation it has grown until the regular attendance ranges from forty to fifty members. The ideals of the club are to arouse greater interest in physics, to promote coöperation and mutual assistance to those who are working in this department, and to encourage deeper study of many of the most common and interesting phenomena and principles.

THE LATIN CLUB is conducted for the benefit of students enrolled in the Latin department and others who may be interested in the study or teaching of Latin. It meets on the second and fourth Wednesdays of each month. The programs consist of papers, reports, dialogues, scenes from standard Latin authors, and short plays given by the students. Frequent addresses and lantern talks are given by the instructors and other members of the Faculty.

THE PHILOSOPHY CLUB is composed of members of the Faculty, advanced students and townspeople. The only qualification required for membership is an interest in philosophy. The club meets Saturday evening of each week.

THE MUSICAL ARTS CLUB consists of the members of the Chorus, Glee Clubs, Treble Clef Club, Orchestra and Band. A social meeting with a short program is held on the third Wednesday of each month. All activities of the club are planned by the students in the organization.

THE ART STUDY CLUB of the Kansas State Normal is a new organization, organized for those students who are especially interested in art. It has as its purpose the study and appreciation of art in its different forms. The club meets the first and third Wednesday evenings of each month.

THE SENATE is a club formed for the discussion of current political problems and for practice in parliamentary law. It is organized under rules similar to those of the United States senate, with the regular senatorial committees and officers.

STUDENT SOCIETIES AND CLUBS.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION has a secretary whose full time is devoted to the service of the men of the Normal. A handbook containing matters of interest and information on all school activities is printed every year, and will be mailed on request to any one who desires

it. The information bureau, the coöperative employment plan, the socials, and addresses on things of vital interest to every man, make the Y. M. C. A. a valuable asset to student life. Questions regarding room, board, self help, etc., will be answered so far as possible, and some member of the association will meet any prospective student who will inform the secretary when he expects to arrive in Emporia. Address correspondence to the Secretary of the Normal Y. M. C. A.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION is an organization of the young women of the School. It is one of 660 such organizations for women students in the United States. Its purpose is not only to train young women while in school in methods of service by helping one another, but by this to fit them for greater usefulness when they leave school. The work is carried on by committees under the direction of a cabinet chosen from the membership, and the general secretary, who is employed for full time. Some of the important features of the work are the rest room; a bureau, through which many girls obtain employment; meeting new students at the trains and helping them to become acquainted through social occasions and calls; Bible study and mission study, vesper services, and calling on sick girls. Miss Margaret Hess, the general secretary, will be very glad to answer any correspondence in regard to work, plans, or anything that will be helpful to a new student.

STORY-TELLING CLUB. The primary and kindergarten girls, feeling a need of practical work in story-telling and dramatization, have organized a club for this purpose, known as the Story-Telling Club. They meet every two weeks and tell stories suggested by the seasons. The programs are occasionally made more enjoyable by the use of music and children's games, while now and then an entire social evening is given.

THE ORATORICAL ASSOCIATION is composed of those interested in oratory. The Normal School participates in two oratorical contests; the contest between the three Normal Schools of the state, and the collegiate oratorical contest. The winner of these contests represents the state in the interstate contests.

THE DRAMATIC CLUB is composed of those who are chosen in the casts of the plays which the college department presents during the year. The selection of the cast is made by the head of the Department of Public Speaking and Expression.

THE FORENSIC FRATERNITY is an honorary fraternity composed of those who have represented the Normal School in debate or oratory. It was organized in the spring of 1916, with a charter membership of sixteen. The purpose of the organization is to further the interests of all forms of public address.

THE NORMAL MASQUES is a dramatic club of the Normal High School. It has for its membership those who are interested in amateur dramatics. They present one full evening play and several short plays each year.

THE IONIAN SOCIETY, a group of thirty wide-awake girls interested in social and literary pursuits. Membership is obtained by election and invitation from the society. Composers, musicians, grand opera and concert performers have their share in the year's programs.

THE ALICE FREEMAN PALMER SOCIETY is a literary society composed of thirty girls chosen from classes above the Freshman class. The society meets weekly, on Saturday, with an occasional social meeting.

THE SIGMA SOCIETY is composed of a group of twenty-five or thirty girls, organized for the purpose of developing social leadership by means of studying social forms and ways of entertainment. It meets once a week at the home of one of the members, when programs are given consisting of music, reading, talks on etiquette and games. Often one particular topic is studied throughout the semester, as musicians, artists and the current events.

THE OMEGA SOCIETY is the oldest girls' society in the School. It was organized by a group of girls desiring special training in literary research and debate. During the eleven years since its organization the society has stood for the best of all school activities, and has swerved from its original purpose only in so far as debate is no longer emphasized. Aside from the literary and educational value of the society, many of the social activities of the School center here.

THE REPRESENTATIVE LITERARY SOCIETY is one of the strong men's societies of the School. It meets weekly for practice in all forms of platform work and parliamentary drill. It is under the censorship of a member of the Faculty, who advises and suggests work for the different members.

THE DELPHIAN LITERARY SOCIETY, although the newest men's society in the School, boasts of the largest membership. The work of the weekly meetings is that done by the usual literary society—debates, orations, readings, and musical numbers. A member of the Faculty acts as critic.

JAYHAWKER DEBATING CLUB. This organization is composed of about twenty-five young men of the College, who meet weekly, on Saturday morning, for the discussion and formal debate of live current topics. At times active parliamentary practice is engaged in, under the criticism of a Faculty member. A good opportunity is thus afforded young men to secure training for public service.

THE NEWMAN CLUB is an organization of Catholic students of the School, formed for purely social purposes. With the organization the purpose was extended to include also the study of some subject of especial interest to the members. The subject chosen for the current year is the history of church development. The officers are a president and secretary, and membership is open to any student in school who may wish to join the club.

THE TREBLE CLEF CLUB is a double quartet of ladies' voices picked from the best in the School of Music, preference being given, when possible, to students of public-school music. The purpose of the club is the study of part songs and their artistic presentation. The instructor is Miss Strouse.

THE COLLEGE GIRLS' GLEE CLUB is open to all college girls whether registered in the Music Department or not. Two periods a week are devoted to the practice of two-, three-, and four-part choruses, chosen with the object of acquainting the girls with material suitable for use later

in their own work as teachers. Public performances are given from time to time throughout the school year.

THE CHORUS consists of 150 members. The students enrolled receive college credit for their work. The present year "The Redemption" will be presented. Prof. F. A. Beach is conductor. The organization had several social gatherings in the year.

THE ORCHESTRA has full instrumentation in the forty instruments played by students of the college department and a few Emporia people. The students enrolled in orchestra receive college credit for the work. The annual concert given in March was directed by Mr. George Keenan, the instructor in stringed instruments. The orchestra accompanies the chorus and the opera work of the school, plays, chapel and many social functions during the year. A high-school orchestra has been organized to train recruits for the larger orchestra, and a grade orchestra has been formed.

THE NORMAL BAND contains thirty instruments played by students who receive regular college credit for their work. The band plays at all athletic events and several social events during the year. The band gave its annual concert in Albert Taylor Hall, under the direction of Mr. M. C. Grady, teacher of wind instruments.

THE HIGH-SCHOOL GLEE CLUB consists of sixteen girls and sixteen boys. The clubs sang at chapel and at several social events during the year.

THE K. S. N. GLEE CLUB is composed of twenty-four men of the College department. These men are chosen strictly on the competitive basis and receive no credit for their work. The third annual home concert was given March 4, 1918, in Albert Taylor Hall, under the direction of Mr. Harry Murrison.

A PLATO GROUP meets one or two afternoons each week for the purpose of reading the dialogues of Plato. The study begins with some of the earlier dialogues and proceeds later to the Republic.

THE GIRLS' PHYSICAL TRAINING CLUB is an organization open to all students majoring or minoring in the Physical Training department. The purpose of the club is to further the study of and promote the interest in physical education; to give the girls higher and broader ideals of their work, and to further their social activities. The club promises to be a real, live force in the school.

THE SPORTS AND PASTIMES ASSOCIATION is the only organization open to every girl in school. It was organized to promote girls' athletics by encouraging sports and gymnastics, thus drawing the students through this special interest into closer social union.

THE K CLUB. This club is composed of men who have won the honor "K" in athletics. Its purpose is to better the athletic interests of the school and attract men to the school in a legitimate way.

Certificates and Diplomas.

REGULAR CERTIFICATES AND DIPLOMAS

GENERAL REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION.

The degree of Bachelor of Science in Education is conferred upon persons who are graduates of accredited high schools, or other preparatory schools of like standing, and who satisfy the following requirements:

ENGLISH.

Rhetoric and Composition, 6 hours.

Three hours of rhetoric and composition must be taken in the freshman year.

All students will register for Rhetoric and Composition 1 the first or second semester of the freshman year. Those students who, within the first two weeks of the semester, convince the Faculty of the department of English that they are able to do superior work in rhetoric and composition will be tentatively excused from the first three hours and permitted to undertake the work of the second three hours. Such students who complete the second course satisfactorily will not be required to take the first course, but will be required to offer three hours elective credit.

Literature, 3 hours.

Special Work: All students in the junior or senior year whose work in any department is weakened by poor English, or whose English is found to be notably defective, shall be reported at once by the instructor concerned to the head of the English department, or to a committee of which he shall be chairman. Upon examination such students shall be assigned to regular English classes without credit until they are able to pass a proficiency test in the subject. No candidate will be recommended for a degree until his English is satisfactory.

Public Speaking or Expression, 3 hours.

FOREIGN LANGUAGE, 15 hours.

This requirement is reduced at the rate of five hours for each unit of high-school credit in foreign language, providing that a student may not have less than ten hours of college credit in any one language.

For example, a student offering Latin for college entrance and who takes up the study of French will be required to submit a minimum credit of ten hours of French.

HISTORY.

American History and Government, 3 hours.

Students offering less than one unit of American history and government for entrance will be required to take three hours of American history or government.

European History, 3 hours.

Students offering less than one unit of European history for college entrance will be required to take three hours of European history.

GOVERNMENT (Contempory Governmental Problems), 3 hours.

(Required after September, 1919.)

SOCIOLOGY, 3 hours.

MATHEMATICS, 3 hours.

Students offering less than two units of mathematics for college entrance will be required to take three hours of college mathematics.

PHYSICAL SCIENCE (Physics or Chemistry), 5 hours.

Students who do not offer a unit of chemistry or a unit of physics for entrance will be required to take five hours of physics or chemistry in college.

BIOLOGICAL SCIENCE (Biology or Physiology), 5 hours.

Students offering less than one unit of biological science for entrance will be required to take five hours of biological science.

PROFESSIONAL REQUIREMENTS:

For students preparing to teach in high school.

General Psychology ..... 3 hours.

Students who have had psychology in high school should take Elementary Educational Psychology.

Graded School Administration, Rural School Administration, Educational Measurements *or* High School Administration..... 2 hours.
Methods of High School Instruction..... 3 hours.
Educational Psychology..... 3 hours.
Principles of Education..... 3 hours.
Special Methods in Junior or Senior High School Branches ..... 2 hours.
Practice Teaching in Junior or Senior High School Subjects ..... 2 hours.

From the following:

Educational Measurements	2 hours.	6 hours.
History of Modern Education	3 hours.	
Supervision of Instruction.....	2 hours.	
Educational Administration	3 hours.	
Fundamental Problems of Administration	3 hours.	
High School Administration	2 hours.	
Educational Research..credit by arrangement.		
Educational Sociology	3 hours.	
Psychology of Adolescence	3 hours.	
Social Psychology	2 hours.	
State and County School Administration	3 hours.	

Students should elect from this group those courses which are most closely related to the field of work for which they are preparing.

For students preparing to teach in intermediate or grammar grades.

General Psychology ..... 3 hours.

Students who have had psychology in high school should take Elementary Educational Psychology.

Methods in Elementary Instruction ..... 3 hours.
Graded School Administration, Rural School Administration, *or* Educational Measurements.. 2 hours.
Educational Psychology ..... 3 hours.
Principles of Education ..... 3 hours.
Special Methods in Two Elementary School Subjects ..... 4 hours.
Practice Teaching in Intermediate or Grammar Grade Subjects ..... 4 hours.

From the following:

Educational Measurements	2 hours.	6 hours.
History of Modern Education	3 hours.	
Supervision of Instruction	2 hours.	
Educational Administration	3 hours.	
Fundamental Problems of Administration	3 hours.	
High School Administration	2 hours.	
Educational Research..credit by arrangement.		
Educational Sociology	3 hours.	
Psychology of Adolescence	3 hours.	
Social Psychology	2 hours.	
State and County School Administration	3 hours.	

Students should elect from this group those courses which are most closely related to the field of work for which they are preparing.

For students preparing to teach in kindergarten or primary grades.

General Psychology ..... 3 hours.

Students who have had psychology in high school should take Elementary Educational Psychology.

Methods in Elementary Instruction..... 3 hours.
Graded School Administration ..... 2 hours.

This requirement may be waived for students majoring in kindergarten work.

Child Psychology ..... 2 hours.
Principles of Education ..... 3 hours.

Required of all students:

1. A *major* selected from the work of one department .....20 to 35 hours.

See pages 43 and 44 for major requirements of candidates for the B. S. degree in Education who are preparing to teach in the kindergarten or primary grades.

2. A *minor* selected from the work of a department allied to the department from which the major is selected..... 15 hours.
3. Sufficient elective credit that the full requirement for the degree of one hundred and twenty hours, exclusive of the required work in physical training practice, may be satisfied.
4. Physical training practice (per semester for the freshman and sophomore years)..... 1 hour.

Regulating the Election of Courses.

1. The work of the junior and senior years must include a minimum of forty hours from courses designated as senior college subjects. For students graduating before September, 1918, this requirement will be a minimum of thirty-six hours from courses designated as senior college subjects.

2. No student having less than thirty hours of college credit shall be admitted to senior college subjects. (This shall be interpreted to mean that when a department admits freshmen to a given course it must be ranked as a junior college course.

3. At least one-third of the hours required for a major in any department must be senior college work.

4. A student may not elect *for credit* more than *fifteen hours* in the courses listed below under I, II, A, B, C. (See Life Certificate Requirements.)

5. For students who are preparing to teach in high school seven hours of the following courses are required, but only *nine hours* may be elected for credit:

a. Practice Teaching in the Normal Training High School, 2 hours.
   (1) Methods in High School Instruction, 3 hours.
   (2) Special Methods in the branch, or branches, in which the student elects his practice teaching, 2 hours.
   (3) Elective, additional Special Methods, 2 hours.

A student may not elect for credit more than *fifteen* hours of the professional requirements for the life certificate nor more than *eight* hours after the school year 1919-'20, in addition to the professional require-

ments for the B. S. degree in Education. (See professional requirements for the life certificate, page 41.)

Majors.

Majors may be taken in the following departments and department groups. In case of department groups, the major may be taken in any one field of the group or combination which the student's adviser may deem wise.

I. Students should give attention as early as the sophomore year to the selection of a *major*. They are required to file with the Registrar and the head of their major department not later than the opening of the junior year their selection of a major and minor. The consent of the President is necessary to a change in the major subject.

II. A *major* shall consist of not less than twenty hours in some one of the above designated departments or department groups. The major must include a minimum of nine hours of senior college courses.

III. A *minor* shall consist of fifteen hours selected from the work of a department allied to the major department.

IV. Not more than thirty-five hours in any one department or department group may be counted toward graduation, except:

1. In Modern Languages ten additional hours of French or Spanish may be counted.
2. In the Biological Science group, or in the Physical Science group, ten hours additional credit may be counted, provided this is prerequisite work in another field of the group.
3. In the General Pedagogy group ten additional hours may be counted, provided it consists of work which has been required for the life certificate.
4. In the English and Public Speaking group ten hours additional credit may be counted.

V. With the exception of students majoring in kindergarten or primary work, all students are required to have a major and a minor of nonprofessional courses.

Major requirements of candidates for the B. S. in Education degree who are preparing to teach in the kindergarten.

Required:

Kindergarten Technics	2 hours.
Kindergarten and Primary Handwork	3 hours.
Kindergarten Theory	3 hours.
Primary Methods	4 hours.
Kindergarten Teaching	8 hours.
Kindergarten Program	3 hours.
Kindergarten and Primary Music Methods	2 hours.

Elective, twenty hours selected with the approval of the student's adviser, from the following:

Plays and Games	2 hours.
Drawing:	
Free-hand I	
Blackboard Drawing	
Free-hand Drawing II	2–6 hours.
Clay Modeling	
Art Appreciation	
Children's Literature	3 hours.
Child Psychology	2 hours.

Story Telling	3 hours.
School and Personal Hygiene	3 hours.
Primary Teaching	2–4 hours.
Fundamentals of Expression	3 hours.
Music:	
Sight Singing, Advanced Music Methods, Piano, Music Appreciation	2–6 hours.
Science and Nature Study:	
Field Zoölogy, Plant Life, Chemistry of Every-day Life	2–7 hours.
History	3 hours.
English Literature	2–4 hours.
Ethics	2 hours.
Sociology	3 hours.
Home Economics	4 hours.

Major requirements of candidates for the B. S. in Education degree who are preparing to teach in the primary grades.

Required:

Primary Methods	4 hours.
Child Psychology	2 hours.
Drawing:	
Blackboard Drawing	2 hours.
Handwork	2 hours.
Music:	
Sight Singing	2 hours.
Kindergarten and Primary Music Methods	2 hours.
Nature Study:	
Animal Life or Field Zoölogy	2 hours.
Plant Life	2 hours.
Hygiene and Sanitation, or School and Personal Hygiene	3 hours.
Methods in Elementary History I	2 hours.
Story Telling or Children's Literature	3 hours.
Kindergarten Theory	3 hours.
Advanced Methods of Primary Instruction	3 hours.
Educational Sociology	3 hours.
History of Modern Education	3 hours.
Plays and Games	2 hours.

Elective, thirteen hours selected with the approval of the student's adviser of the following:

Primary Teaching	2 hours.
Kindergarten Courses	9 hours.
Kindergarten Teaching	8 hours.
Fundamentals of Expression	3 hours.
Drawing:	
Free-hand I, Free-hand Drawing II, Clay Modeling, Art Appreciation	2–6 hours.
Music:	
Advanced Music Methods, Piano, Music Appreciation	2–6 hours.
American or English History	3 hours.
English:	
Shakespeare Comedies, Tennyson's Idylls of the King	2–4 hours.

Ethics	2 hours.
Sociology	3 hours.
Geography	2 hours.
Home Economics (Art or Science)	4 hours.
Methods in Elementary Arithmetic	2 hours.

Residence Requirements for All Degrees.

I. A minimum of two semesters, or one semester and one term, in which courses taken up are completed, or three terms of residence, during which the student must earn twenty-four hours of credit, is required. These twenty-four hours must be included in the last thirty-two hours necessary for graduation.

II. Students who have made seventy-five hours in residence may be in residence only one semester or the summer term immediately prior to the granting of the degree.

III. In addition to satisfying the above residence requirement, students coming with advanced standing from other institutions must take in residence a minimum of four hours in their major subject and a minimum of two hours in their minor subject.

GENERAL REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN COMMERCE.

The degree of Bachelor of Science in Commerce is conferred upon persons who are graduates of accredited high schools, or other preparatory schools of like standing, and who satisfy the following requirements:

ENGLISH.

Rhetoric and Composition, 6 hours.

Three hours of rhetoric and composition must be taken in the freshman year. All students will register for Rhetoric and Composition 1 the first or second semester of the freshman year. Those students who, within the first two weeks of the semester, convince the Faculty of the department of English that they are able to do superior work in rhetoric and composition will be tentatively excused from the first three hours and permitted to undertake the work of the second three hours. Such students who complete the second course satisfactorily will not be required to take the first course, but will be required to offer three hours elective credit.

Literature, 3 hours.

Special work: All students in the junior or senior year whose work in any department is weakened by poor English, or whose English is found to be notably defective, shall be reported at once by the instructor concerned to the head of the English department, or to a committee of which he shall be chairman. Upon examination such students shall be assigned to regular English classes without credit until they are able to pass a proficiency test in the subject. No candidate will be recommended for the degree until his English is satisfactory.

Public Speaking or Expression, 3 hours.

COMMERCIAL COURSES

Accounting	11 hours.
Law	8 hours.
Stenography	8 hours.
Typewriting	3 hours.
Methods in Penmanship	2 hours.
Office Training	2 hours.
Commercial Arithmetic	2 hours.
Principles and methods of Commercial Education,	2 hours.
Practice Teaching	2 hours.
General Economics	3 hours.
Economic and Industrial Geography	2 hours.

From the following, fourteen hours selected with the approval of the head of the department:

Business Organization	2 hours.
Stenography	2 hours.
Typewriting	2 hours.
Money and Banking	2 hours.
Public Finance	2 hours.
Commercial and Industrial History	3 hours.
International Law and Diplomacy	3 hours.
History of Latin America	2 hours.
Geography of North America	4 hours.
Geography of South America	4 hours.
Spanish	10 hours.
Vocational Psychology	2 hours.

MINOR:

A *minor* of fifteen hours should be selected, with the approval of the head of the Department of Commerce, from the work of another department.

ELECTIVES:

Candidates for this degree are required to submit sufficient credit from the work of other departments that the total of work to his credit may be one hundred and twenty hours, exclusive of the required work in physical training practice.

PHYSICAL TRAINING PRACTICE (per semester for the freshman and sophomore years), 1 hour.

RESIDENCE REQUIREMENT for the degree of Bachelor of Science in Commerce, see page 45.

GENERAL REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN MUSIC.

The degree of Bachelor of Science in Music is conferred upon persons who are graduates of accredited high schools, or other preparatory schools of like standing, and who satisfy the following requirements:

ENGLISH.

Rhetoric and Composition, 6 hours.

Three hours of rhetoric and composition must be taken in the freshman year. All students will register for Rhetoric and Composition 1 the first or second semester of the freshman year. Those students who, within the first two weeks of the semester, convince the Faculty of the department of English that they are able to do superior work in rhetoric and composition will be tentatively excused from the first three hours and permitted to undertake the work of the second three hours. Such students who complete the second course satisfactorily will not be required to take the first course, but will be required to offer three hours elective credit.

Literature, 3 hours.

Special work: All students in the junior or senior year whose work in any department is weakened by poor English, or whose English is found to be notably defective, shall be reported at once by the instructor concerned to the head of the English department, or to a committee of which he shall be chairman. Upon examination such students shall be assigned to regular English classes without credit until they are able to pass a proficiency test in the subject. No candidate will be recommended for the degree until his English is satisfactory.

Public Speaking or Expression, 3 hours.

MUSIC.

A requirement of sixty hours in music, as follows:

Sight Singing	6 hours.
Theory of Music	12 hours.
Applied Music	16 hours.
Elective music courses	26 hours.

EDUCATION (including practice teaching), 24 hours.

MINOR.

A *minor* of fifteen hours should be selected from the work of one of the following departments:

English.
Physical Training.
Art.
Public Speaking and Expression.
Modern Languages.
Latin.
Home Economics.
Mathematics.
Commerce.

ELECTIVES.

Candidates for this degree are required to submit sufficient credit from the work of other departments that the total of work to his credit may be one-hundred and twenty hours, exculsive of the required credit in physical training practice.

PHYSICAL TRAINING PRACTICE (per semester for the freshman and sophomore years), 1 hour.

RESIDENCE REQUIREMENTS for the degree of Bachelor of Science in Music, see page 46.

REQUIREMENTS FOR THE LIFE CERTIFICATE.

The life certificate is issued to persons applying for it who are graduates of accredited high schools or other preparatory schools of like standing, and satisfy the following requirements:

These courses, excepting the methods courses in German and Latin, are open only to freshmen and sophomores. If taken by juniors or seniors only half of the credit indicated will be allowed.

ENGLISH.

Rhetoric and Composition, 6 hours.

All students will register for Rhetoric and Composition 1 the first or second semester of the freshman year. Those students who, within the first two weeks of the semester, convince the Faculty of the department of English that they are able to do superior work in rhetoric and composition will be tentatively excused from the first three hours and permitted to undertake the work of the second three hours. *Students who complete the second course satisfactorily will not be required to take the first course, but will be required to offer three hours elective credit.*

From the department of English, or from Public Speaking and Expression, 3 hours.

General Psychology, 3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

School Administration, 2 hours.

This requirement may be satisfied by the two-hour course in Graded School Administration, in Rural-school Administration, or in Educational Measurements.

Methods in Elementary School Instruction, or Methods in Rural School Instruction, 3 hours.

Special Methods (see below), 4 hours.

Practice Teaching in the Elementary Training School, or Emporia Elementary Schools, 4 hours.

Elective, 35 hours.

All candidates for the life certificate are encouraged to select as elective courses the requirements for a certificate for special proficiency, or a special certificate to teach in high school.

Physical Training Practice (per semester for the freshman and sophomore years), 1 hour.

NOTE.—*Students should read the following requirements carefully:*

Required as prerequisite to Practice Teaching:

I. Methods in Elementary Instruction, or Methods in Rural School Instruction..... 3 hours.

II. Graded School Administration, Rural School Administration, or Educational Measurements ..... 2 hours.

Not more than five hours from groups I and II may be counted for the life certificate, or the degree of bachelor of science in education.

A. Additional methods required for teaching in the Kindergarten:
   1. Methods in Kindergarten Technics.. 2 hours.

B. Additional methods required for teaching in the primary grades:
   1. Primary Methods ..... 4 hours.

C. Additional methods required for teaching in the intermediate and junior high-school grades: *One* or *two* special methods courses to be chosen from the following at the discretion of the director of teacher training (see the department statements in which these courses are listed for descriptions and prerequisites):
   1. Methods in Elementary Science.. 2 hours.
   2. Methods in Elementary Geography ..... 2 hours.
   3. Methods in Elementary History (I or II) ..... 2 hours.
   4. Methods in Elementary English.. 2 hours.
   5. Methods in Elementary Arithmetic ..... 2 hours.
   6. Methods in Physical Training... 2 hours.
   7. Methods in Elementary Manual Training ..... 2 hours.
   8. Methods in Elementary Home Economics ..... 2 hours.
   9. Methods in Elementary Drawing (I or II) ..... 2 hours.
   10. Methods in Elementary Music... 2 hours.
   11. Methods in Penmanship ..... 2 hours.
   †12. Methods in German ..... 2 hours.
   †13. Methods in Latin ..... 2 hours.

A student may not elect more than *fifteen hours* in the above courses listed under I, II, A, B and C for the life certificates, unless he secures a special proficiency certificate, or a special certificate to teach in high school and the life certificate at the same time.

Residence Requirement for the Life Certificate.

A minimum of one semester or two terms of residence, during which the student must earn fifteen hours of credit, is required, of which twelve hours must be included in the last sixteen necessary for the life certificate.

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† Satisfies the special methods requirement, also, of all candidates for the degree of bachelor of science in education who are preparing to teach in high school.

Students coming with advanced standing from other institutions must either take the required practice teaching, or satisfy the Director of Teacher Training of their fitness to teach.

SPECIAL CERTIFICATES AND DIPLOMAS.

CERTIFICATES FOR SPECIAL PROFICIENCY, ISSUED ONLY IN CONNECTION WITH THE LIFE CERTIFICATE.

Persons who intend to become applicants for the life certificate upon the completion of two years of college work should plan to meet requirements also for one of the certificates for special proficiency in some field of elementary school work or the requirements for one of the special certificates to teach in high school. The following certificates for special proficiency are issued:

1. Kindergarten Teaching.
2. Primary Teaching.
3. Rural School Teaching.

The certificates for special proficiency are issued only in connection with the life certificate.

FOR THE CERTIFICATE FOR SPECIAL PROFICIENCY IN KINDERGARTEN TEACHING AND LIFE CERTIFICATE.

(Requirements are listed by the use of names of courses offered.)

Rhetoric and Composition, 6 hours.

The regulation governing work in rhetoric and composition should be observed. (See page 40.)

From the department of English (in addition to the above requirement), or from the department of Public Speaking and Expression, 3 hours.

General Psychology, 3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

Methods in Elementary School Instruction, 3 hours.

Physical Training Practice (per semester for the freshman and sophomore years), 1 hour.

Kindergarten Courses.

Required, twenty-five hours, as follows:

Kindergarten Technics	2 hours.
Kindergarten and Primary Handwork	3 hours.
Kindergarten Theory	3 hours.
Primary Methods	4 hours.
Kindergarten Teaching	8 hours.
Kindergarten Program	3 hours.
Kindergarten and Primary Music Methods	2 hours.

Elective, twenty hours selected with the approval of the student's adviser from the following:

Plays and Games	2 hours.
Drawings:	
Free-hand I	
Blackboard Drawing	
Free-hand Drawing II	2–6 hours.
Clay Modeling	
Art Appreciation	
Children's Literature	3 hours.
Child Psychology	2 hours.

Story Telling ..... 3 hours.
School and Personal Hygiene ..... 2 hours.
Practice Teaching in Primary Grades..... 2-4 hours.
Fundamentals of Expression ..... 3 hours.
Music:
Sight Singing .....
Advanced Music Methods ..... 2–6 hours.
Piano .....
Music Appreciation .....
Science and Nature Study:
Field Zoölogy .....
Plant Life ..... 2–8 hours.
Chemistry of Everyday Life .....
History ..... 3 hours.
English Literature .....2–4 hours.
Ethics ..... 2 hours.
Sociology ..... 3 hours.
Home Economics ..... 4 hours.

FOR THE CERTIFICATE FOR SPECIAL PROFICIENCY IN PRIMARY TEACHING AND THE LIFE CERTIFICATE.

Rhetoric and Composition, 6 hours.

The regulation governing work in rhetoric and composition should be observed. (See page 40.)

From the department of English (in addition to the above requirement), or from the department of Public Speaking and Expression, 3 hours.

General Psychology, 3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

Methods of Instruction, 3 hours.
School Administration, or, Educational Measurements, 2 hours.
Physical Training Practice (per semester for the freshman and sophomore years), 1 hour.

Primary Courses.

Required, thirty hours, as follows:

Primary Methods ..... 4 hours.
Child Psychology ..... 2 hours.
Drawing:
Blackboard Drawing ..... 2 hours.
Handwork ..... 2 hours.
Music:
Sight Singing ..... 2 hours.
Kindergarten and Primary Music Methods... 2 hours.
Nature Study:
Animal Life or Field Zoölogy ..... 2 hours.
Plant Life ..... 2 hours.
Hygiene and Sanitation or School and Personal Hygiene ..... 3 hours.
Methods in Elementary History I..... 2 hours.
Story Telling or Children's Literature..... 3 hours.
Practice Teaching in Primary Grades..... 4 hours.

(Prerequisites listed on page 48 should be noted.)

Elective, thirteen hours selected with the approval of the student's adviser from the following:

Primary Teaching ..... 2 hours.
Kindergarten Courses ..... 9 hours.
Kindergarten Teaching ..... 8 hours.

Plays and Games ..... 2 hours.
Fundamentals of Expression ..... 3 hours.

Drawing:
- Free-hand I
- Free-hand Drawing II
- Clay Modeling
- Art Appreciation

} 2–6 hours.

Music:
- Advanced Music Methods
- Piano
- Music Appreciation

} 2–6 hours.

American or English History ..... 3 hours.

English:
- Shakespeare Comedies
- Tennyson's Idylls of the King

} 2–4 hours.

Ethics ..... 3 hours.
Sociology ..... 3 hours.
Geography ..... 2 hours.
Home Economics (Art or Science) ..... 4 hours.
Methods in Elementary Arithmetic ..... 2 hours.

FOR THE CERTIFICATE FOR SPECIAL PROFICIENCY IN RURAL SCHOOL TEACHING, AND THE LIFE CERTIFICATE.

Rhetoric and Composition, 6 hours.

The regulation governing work in rhetoric and composition should be observed. (See page 40.)

Department of Public Speaking and Expression, 3 hours.
General Psychology, 3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

Methods in Rural School Instruction, 3 hours.
Rural School Administration, 2 hours.
Special Methods, 4 hours.

(See special methods courses listed on page 48.)

Practice Teaching, 4 hours.

(Prerequisites listed on page 48 should be noted.)

Physical Training practice (per semester for the freshman and sophomore years), 1 hour.

Rural-school Courses.

Required, twenty-three hours as follows:

Special methods courses from the following:
- Methods in Arithmetic, 2 hours
- Methods in Elementary History, 2 hours
- Methods in English for the Grades, 2 hours.
- Methods in Elementary Geography, 2 hours.
- Methods in Elementary Science, 2 hours

} 6 hours.

Rural-life Problems ..... 3 hours.
Drawing and Handwork ..... 2 hours.
Primary Methods ..... 4 hours.
Child Psychology ..... 2 hours.
Agriculture ..... 4 hours.
Farm Accounting ..... 2 hours.

Elective, twelve hours selected with the approval of the student's adviser from the following group:

Arithmetic ..... 4 hours.
Nature Study ..... 2 hours.
Manual Training or Home economics ..... 4 hours.

Bacteriology	3 hours.
Rural-school Music	3 hours.
Hygiene and Sanitation	3 hours.
Rural Economics	2 hours.
Chemistry of Everyday Life	3 hours.
State and County School Administration	3 hours.
First Aid to the Injured	1 hour.
History, American or European	3 hours.
Story Telling	3 hours.
Public Speaking	3 hours.
Economic and Industrial Geography	3 hours.

SPECIAL HIGH-SCHOOL CERTIFICATES.

Section 6, senate bill 313, session of 1915, provides that:

"Each of said institutions (Kansas State Normal School, State Manual Training Normal School, and the Fort Hays Kansas Normal School) shall have power to issue certificates to teach Manual Training, Domestic Science, Agriculture, Commercial Subjects, Drawing, Music, or other occupational subjects, upon the completion of such course of study as may be prescribed by the faculty of said institutions and approved by the State Board of Administration."

In accordance with this act of the legislature, the Faculty of this institution has provided for the following special high-school certificates to be issued for a period of three years and renewable for a like period upon the completion of thirty additional hours of work.

These certificates may be issued in connection with the life certificate, or not, as is desired. Students seeking any special high-school certificate should work under the direction of the head of the department.

FOR SPECIAL CERTIFICATE TO TEACH AGRICULTURE IN HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Rhetoric and Composition	6 hours.

The regulation governing work in rhetoric and composition should be observed. (See page 40.)

English Literature or Public Speaking	3 hours.
Chemistry	5 hours.
Biology	2 hours.
Farm Carpentry	4 hours.

Physical Training Practice (each semester, for the freshman and sophomore years), 1 hour.

EDUCATION:

General Psychology	3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

Methods in Elementary Instruction or Methods in Rural School Instruction	3 hours.
School Administration or Educational Measurements	2 hours.
Special Methods:	
In Agriculture	2 hours.
In High School Science	2 hours.
Agronomy	4 hours.
Animal Husbandry	4 hours.
Farm Management	4 hours.
Horticulture and Forestry	4 hours.

School Gardening and Landscape Art ..... 2 hours.
Soils ..... 2 hours.
Feeds and Feeding ..... 2 hours.
Dairying ..... 2 hours.
Practice Teaching ..... 4 hours.

FOR SPECIAL CERTIFICATE TO TEACH COMMERCE IN HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Rhetoric and Composition ..... 6 hours.

The general regulation governing work in rhetoric and composition should be observed. See page 40.)

English Literature, or Public Speaking ..... 3 hours.
General Economics ..... 3 hours.
Economic and Industrial Geography ..... 3 hours.
Physical Training Practice (each semester) .... 1 hour.

EDUCATION:

General Psychology ..... 3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

Methods in Elementary Instruction or Methods in Rural School Instruction..... 3 hours.
School Administration or Educational Measurements ..... 2 hours.

COMMERCE:

Accounting ..... 8 hours.
Business Law ..... 3 hours.
Shorthand ..... 8 hours.
Typewriting ..... 3 hours.
Office Training ..... 2 hours.
Commercial Arithmetic ..... 2 hours.
Special Methods:
Principles and Methods in Commercial Education ..... 2 hours.
Penmanship Methods ..... 2 hours.
Practice Teaching ..... 4 hours.
Elective ..... 3 hours.

FOR SPECIAL CERTIFICATE TO TEACH DRAWING IN HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Composition and Rhetoric..... 6 hours.

The general regulation governing work in rhetoric and composition should be observed. See page 40.)

Fundamentals of Expression ..... 3 hours.
Sewing and Textiles ..... 4 hours.
History of Greece ..... 3 hours.
European History during the Middle Ages..... 3 hours.
Physical Training Practice (each semester).... 1 hour.

EDUCATION:

General Psychology ..... 3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

Methods in Elementary Instruction or Methods in Rural School Instruction..... 3 hours.
School Administration or Educational Measurements ..... 2 hours.

DRAWING:

Free-hand Drawing I ..... 2 hours.
Free-hand Drawing II ..... 3 hours.

Drawing and Handwork I ..... 2 hours.
Methods of Teaching Drawing I and II..... 4 hours.
Design I ..... 5 hours.
Blackboard Drawing ..... 2 hours.
History of Art ..... 2 hours.
Practice Teaching ..... 4 hours.

Electives, nine hours, from the following:

Applied Arts ..... 3 hours.
Advanced Study of Dark and Light Values..... 4 hours.
Advanced Study of Color Values and Harmonies, 4 hours.
Clay Modeling ..... 2 hours.
Basketry I ..... 2 hours.
Basketry II ..... 1 hour.
Drawing and Handwork II ..... 2 hours.

FOR SPECIAL CERTIFICATE TO TEACH HOME ECONOMICS IN HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Rhetoric and Composition..... 6 hours.

The general regulation governing work in rhetoric and composition should be observed. See page 40.)

English Literature or Fundamentals of Expression ..... 3 hours.
General Chemistry ..... 5 hours.
Elementary Free-hand and Construction Drawing ..... 3 hours.
Physiology of Alimentation ..... 2 hours.
Household Bacteriology ..... 3 hours.
Physical Training Practice (each semester).... 1 hour.
Special Methods in Drawing and Science..... 2 hours.

EDUCATION:

General Psychology..... 3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

Practice Teaching..... 4 hours.
Methods in Elementary Instruction or Methods in Rural-school Instruction..... 3 hours.
School Administration or Educational Measurements ..... 2 hours.

HOME ECONOMICS:

Foods I ..... 4 hours.
Foods II ..... 4 hours.
Sewing and Textiles..... 5 hours.
Drafting ..... 4 hours.
Applied Costume Design..... 4 hours.
Design I ..... 5 hours.
Methods in Home Economics..... 2 hours.

FOR SPECIAL CERTIFICATE TO TEACH MANUAL TRAINING IN HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Composition and Rhetoric..... 6 hours.

The general regulation governing work in rhetoric and composition should be observed. See page 40.)

English Literature or Fundamentals of Expression ..... 3 hours.
Drawing (Free-hand and Design I)..... 9 hours.
Physical Training Practice (each semester)..... 1 hour.

EDUCATION:

General Psychology	3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

Methods in Elementary Instruction or Methods in Rural School Instruction	3 hours.
School Administration or Educational Measurements	2 hours.

MANUAL TRAINING:

Mechanical Drawing	4 hours.
Woodworking	4 hours.
Farm Carpentry	4 hours.
Mathematics (Shop Problems)	3 hours.
Joinery and Cabinetmaking	4 hours.
Furniture Construction	4 hours.
Wood Turning	4 hours.
Special Methods (Theory and Practice)	2 hours.
Special Methods (elective)	2 hours.
Practice Teaching	4 hours.

FOR SPECIAL CERTIFICATE TO TEACH MUSIC IN HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Rhetoric and Composition	6 hours.

The general regulation governing work in rhetoric and composition should be observed. (See page 40.)

EDUCATION:

Public Speaking or English Literature	3 hours.
General Psychology	3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

Methods in Elementary Instruction or Methods in Rural School Instruction	3 hours.
School Administration or Educational Measurements	2 hours.
Kindergarten and Primary Music Methods	2 hours.
Music Methods for the Grades	2 hours.
Special Methods	2 hours.
Practice Teaching	2 hours.
Physical Training Practice (per semester)	1 hour.

MUSIC:

Sight Singing and Solfeggio	4 hours.
Harmony, Theory and History:	
Elementary Theory and Ear Training	2 hours.
Harmony I	2 hours.
Harmony II	2 hours.
History and Appreciation I	2 hours.
History and Appreciation II	2 hours.
Musical Materials (including Chorus and Conducting)	2 hours.
Ensemble	2 hours.
Types of Community Music and Related Forms	2 hours.
Applied Music:	
Voice—Intermediate and Certificate Years	4 hours.
Piano—Intermediate and Certificate Years; one semester Accompanying	4 hours.
Practice Teaching	4 hours.

Sight singing and study in voice or piano are desirable prerequisites in the case of students who aim to secure this certificate in two years. For students who wish to supervise music in the grades one year's successful teaching experience is essential.

FOR SPECIAL CERTIFICATE TO TEACH PHYSICAL TRAINING IN HIGH SCHOOL, AND THE LIFE CERTIFICATE.

(Certificate issued for work in men's department.)

ACADEMIC:

Composition and Rhetoric	6 hours.

The general regulation governing the work in rhetoric and composition should be observed. (See page 40.)

English Literature, or Public Speaking	3 hours.
Histology	2 hours.
General Sociology	3 hours.
Social Psychology	2 hours.
First Aid to the Injured	1 hour.
Child Psychology	2 hours.
Chemistry of Everyday Life	3 hours.

EDUCATION:

General Psychology	3 hours.

Students who have had psychology in high school should take Educational Psychology.

Methods in Elementary Instruction or Methods in Rural School Instruction	3 hours.
School Administration or Educational Measurements	2 hours.

PHYSICAL TRAINING:

Anatomy	5 hours.
Advanced Physiology	3 hours.
Playground Supervision	3 hours.
History of Physical Education	2 hours.
Theory of Coaching	3 hours.
Applied Anatomy	2 hours.
Anthropometry	1 hour.
Massage	1 hour.
General Technique (Methods in Physical Training)	2 hours.
Advanced Technique	3 hours.
Physiology of Exercise	3 hours.
Physical Training Practice (each semester)	1 hour.
Practice Teaching	4 hours.

FOR SPECIAL CERTIFICATE TO TEACH PHYSICAL TRAINING IN HIGH SCHOOL, AND THE LIFE CERTIFICATE.

(Certificate issued for work in women's department.)

ACADEMIC:

Composition and Rhetoric	6 hours.

The general regulation governing the work in rhetoric and composition should be observed. (See page 40.)

Story Telling	3 hours.
Fundamentals of Expression	3 hours.
Physiology	3 hours.
Plays and Games	2 hours.
Handwork	2 hours.
First Aid	1 hour.
Hygiene and Sanitation	3 hours.

EDUCATION:

General Psychology	3 hours.
Students who have had psychology in high school will take Educational Psychology.	
Methods in Elementary Instruction or Methods in Rural School Instruction	3 hours.
School Administration, or Educational Measurements	2 hours.
Child Psychology	2 hours.
Special Methods	4 hours.
Practice Teaching	2 hours.

PHYSICAL TRAINING:

Advanced Technique	3 hours.
History of Physical Education	2 hours.
Playground Supervision and Instruction	3 hours.
Anatomy	5 hours.
Applied Anatomy	2 hours.
Massage and Remedial Gymnastics	3 hours.
Management of Girls' Athletics	1 hour.
Practice Teaching	4 hours.
Physical Training Practice (each semester)	1 hour.

If a special certificate but not the life certificate is desired, the following subjects are required:

English	4 hours.
Mathematics	8 hours.
Science	8 hours.
Occupational (for example, Agriculture)	24 hours.
Practice Teaching in the Occupational Courses	4 hours.
Education	12 hours.
Physical Training Practice (each semester)	1 hour.

If two special certificates are desired, but not the life certificate, the following subjects are required:

As a *major* (for example, Manual Training), a minimum of	24 hours.
As a *minor* (for example, Agriculture), a minimum of	12 hours.
Academic	16 hours.
Education	8 hours.
Physical Training Practice (each semester)	1 hour.

If two special certificates and the life certificate are desired, the following are the requirements:

Rhetoric and Composition	6 hours.
The general regulation governing work in rhetoric and composition should be observed. See page 40.)	
From the department of English (in addition to the above requirement), or from the department of Public Speaking and Expression	3 hours.
General Psychology	3 hours.
Students who have had psychology in high school will take Elementary Educational Psychology.	
Methods in Elementary School Instruction, or Methods in Rural School Instruction	3 hours.
School Administration or Educational Measurements	2 hours.
As a *major* (for example, Agriculture)	24 hours.
As a *minor* (for example, Manual Training)	12 hours.

Elective ..... 4 hours.
Physical Training Practice (per semester for the freshmen and sophomore years) ..... 1 hour.

THREE YEAR STATE CERTIFICATE.

This certificate is given to persons—

1. Who are at the time of entrance graduates of accredited high schools.
2. Who submit college credit of thirty semester hours, as outlined below, in addition to one hour's credit in physical-training practice for each semester spent in residence.
3. Who have been in residence one semester.
4. Who earn fifteen hours credit in addition to required credit in physical-training practice.

High-school exemptions are allowed in these requirements, excepting in English, methods of instruction, and physical training. Persons claiming exemption from any requirement should submit not less than one-half year's high-school work in the subject where exemption is desired. Arithmetic credit submitted should be for work following the completion of algebra and geometry.

The requirements are as follows:

Rhetoric and Composition I..... 3 hours.
General Psychology ..... 3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

Methods in Elementary School Instruction, or Methods in Rural School Instruction ..... 3 hours.
Advanced Arithmetic ..... 4 hours.
Geography ..... 3 hours.
American History or Government..... 3 hours.
Physiology ..... 3 hours.

Music	4 hours.	4 hours.
Drawing	4 hours.	
Home Economics	4 hours.	
Manual Training	4 hours.	
Commerce:		
Penmanship	2 hours.	
Bookkeeping	2 hours.	

The full requirement of four hours should be satisfied in one department.

Elective ..... 4 hours.
Physical Training Practice (each semester).... 1 hour.

ONE-YEAR STATE CERTIFICATE.

This certificate is given to persons—

1. Who submit sixteen units of high-school credit.
2. Who have been in residence one semester and have carried full work, and,
3. Who make application for the certificate.

The requirements are as follows

GROUP 1.—ENGLISH.

May be submitted:
English, 4 units.
Oral English, 1 unit.
Required: Three units.

GROUP 2.—MATHEMATICS.

May be submitted:

Algebra, 1½ units.
Geometry, 1½ units.
Arithmetic, 1 unit.
Bookkeeping, ½ unit.
Required: Two and one-half units, one-half unit being arithmetic or bookkeeping.

GROUP 3.—NATURAL SCIENCE.

May be submitted:

Botany, 1 unit.
Physics, 1 unit.
Agriculture, 1½ units.
Geography, 1½ units.
Physiology, ½ unit.
Required: Three units, one-half unit being geography and one-half unit physiology.

GROUP 4.—HISTORY AND CIVICS.

May be submitted:

American history, 1½ units.
European history, 2 units.
Civics, ½ unit.
Required: One and one-half units, one-half unit being civics.

GROUP 5.—PROFESSIONAL SUBJECTS.

May be submitted:

Methods and management, ½ unit.
Psychology, ½ unit.
Required: One unit.

GROUP 6.—ARTS.

May be submitted:

Drawing, 2 units.
Music, 3 units.
Physical training and practice, ½ unit.
Manual training, 2 units.
Domestic science or domestic art, 2 units.
Penmanship, 1 unit.
Required: One unit.

ELECTIVE.

Required: Four units.

Any person wishing this certificate and who is an accredited high-school graduate at the time of entrance should note the following requirements:

1. Work in college courses must be taken in those subjects where high-school work does not meet the certificate requirement.
2. The residence requirement is one semester.

The amount of credit must be fifteen hours in addition to required work in physical-training practice.

3. Application must be made for this certificate.

This certificate will be given to persons who are at the time of entrance graduates of an accredited high school and who are in residence one summer term and carry work giving eight and one-half hours, one-half hour credit being in physical-training practice. This special provision applies only to work of the Summer School.

COLLEGE COURSES.

For purposes of classification of College courses the four years' work is divided into Junior College and Senior College. The work of the Freshman and Sophomore years makes up the Junior College; that of the Junior and Senior years, the Senior College. Although this classification is not rigid, it is recommended that students will, in order to avoid irregularity, take courses in the order in which they are given; that is, a student of Junior College rank will take Junior College courses; students of Senior College rank will take Senior College courses.

No student having less than thirty hours credit may be admitted to Senior College courses. This will be construed to mean that when any department head admits freshmen to Senior College courses, these courses are reduced to the rank of Junior College courses.

Courses of Senior College grade are open to students in the Junior College if these courses are required for a special certificate.

Courses of Junior College grade listed in this catalogue bear numbers from 1 to 49, inclusive; courses of Senior College grade bear numbers from 50 to 99, inclusive.

No Junior College course will be offered unless registered for by twelve students; no Senior College course unless registered for by seven students.

The Summer Term of eight weeks and the first and second semesters of eighteen weeks each, indicated as the time when the courses are given, make up the school year, opening May 29, 1918, and closing May 29, 1919.

Agriculture.

Professor PHIPPS.
Mr. ROSKE, Instructor.

A special certificate to teach agriculture in Kansas high schools is issued for work in this department. For requirements for the certificate, see page 52.

1.—AGRONOMY. *Four hours credit.*

Summer Term, and Each Semester.

This is a general course in the study of field crops. (Roske.)

2.—ANIMAL HUSBANDRY. *Four hours credit.*

Summer Term, and Each Semester.

The course includes the study of types and breeds of our farm animals. (Roske.)

3.—DAIRYING. *Two hours credit.*

Summer Term, and first half First Semester.

Prerequisite, Animal Husbandry. Course includes a study of dairy cattle and the dairy industry, the production of milk and

its products; the composition and testing of milk and milk products; by-products of the dairy cow; state and United States dairy laws; butter and cheese factories. (Phipps.)

4.—FEEDS AND FEEDING. *Two hours credit.*

Second half First Semester, alternating with Soils.

Prerequisites, Animal Husbandry and Agronomy. Course includes a study of plant growth and animal nutrition; feeding standards and rations; feeding stuffs; manurial value of feeding stuffs; principles of feeding farm animals; and general problems in animal production. (Phipps.)

5.—HORTICULTURE AND FORESTRY. *Four hours credit.*

Second Semester.

Course includes study of fruits, both large and brush fruits, vegetable gardening. Care of orchards, sprays and spraying, and pruning of fruit trees, diseases, common insects, and their control, etc. A brief study of forestry and the farm woodlot, wooden building materials and their preservation, and planting trees on waste lands, is also given in this course.

6.—SCHOOL GARDENING. *One hour credit.*

Summer Term, and Each Semester.

School and home garden plans, vegetables, hotbeds and practical gardening work are taken up.

7.—RURAL SCHOOL AGRICULTURE. *Two hours credit.*

Summer Term.

This is a general course in elementary agriculture designed for the rural-school teacher. The course includes a general study of plant production, animal production, agrotechny, farm mechanics, and engineering, and farm economics and management. Some laboratory work is given, and methods of using community material in the rural school are developed.

50.—SOILS. *Two hours credit.*

Summer Term, and first half Second Semester.

Prerequisites, Agronomy and Animal Husbandry. This course includes a study of the origin, composition, types, tilth and fertility of soils.

51.—METHODS IN TEACHING AGRICULTURE. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisite, at least one year of Agriculture in College work. The course includes a study of the materials and methods used in teaching agriculture in our public schools. Materials and supplies are collected by the student and courses of study are outlined for use in teaching.

52.—FARM MANAGEMENT. *Four hours credit.*

Summer Term, and First Semester.

This course includes a study of farm buildings, equipment and farm improvements; farm capital; farm labor and farm machinery; and consideration of managerial problems. A general course in farm economics.

53.—LANDSCAPING. *One hour credit.*

Summer Term, and Second Semester.

The course includes the study of arrangement of trees, shrubs, flowers, etc., on school and home grounds and in public places, and the combinations of hardy plants for best landscape effect. Designing gardens and landscape planting plans form the principal line of work in the course.

Art.

Professor GRIDLEY.
Mrs. ECKDALL, Instructor.
Miss MORRISON, Instructor.
Miss HALL, Instructor.

A special certificate to teach drawing in Kansas high schools is issued for work in this department. For requirements for the certificate, see page 53.

1.—FREE-HAND DRAWING I. *Two hours credit.*

Summer Term, and Each Semester.

Free-hand outline drawing with pencil, charcoal and crayon; principles of perspective; elementary composition, including decorative rendering in outline, flowers, landscape and still life.

2.—KINDERGARTEN AND PRIMARY DRAWING. *Two hours credit.*

A course in free-hand drawing for candidates for special proficiency certificates in kindergarten and primary teaching.

3.—FREE-HAND DRAWING II. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, Free-hand Drawing I. Free-hand mass drawing in charcoal and water color. An elementary study of dark and light values. Color schemes developed and original compositions in landscape, still life and nature forms made with the brush in water and *tempera*. Simple water-color drawings made from nature.

5.—ADVANCED STUDY OF DARK AND LIGHT VALUES. *Four hours credit.*

Summer Term, and Second Semester.

Junior or Senior College. Prerequisites, Free-hand Drawing I and II. Advanced problems in composition rendered with charcoal and brush in dark and light. Still life, landscape, and nature forms.

6.—ADVANCED STUDY OF COLOR VALUES AND HARMONIES. *Four hours credit.*

Summer Term, and Second Semester.

Prerequisites, Free-hand Drawing I and II. Advanced problems in color harmonies and composition rendered in water color. Still life, landscape, flowers, etc.

7.—ELEMENTARY FREE-HAND AND CONSTRUCTION DRAWING. *Three hours credit.*

Summer Term, and First Semester.

Free-hand drawing with the pencil; the principles of perspective applied to drawing interiors; working drawings. This course is especially planned for students taking courses in Household Art.

8.—METHODS OF TEACHING DRAWING I. *Two hours credit.*

Summer Term, and First Semester.

Prerequisites, courses 1, 3 and 11. Methods of teaching drawing and applied art to children below the grammar grade. This course is a prerequisite for teaching drawing in the intermediate grades in the Normal Training School.

Open only to freshmen and sophomores. If taken by juniors or seniors only one-half credit will be given.

9.—METHODS OF TEACHING DRAWING II. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisites, courses 1 and 3, and courses 6 or 4. Methods of art education for teachers in the upper grades and high schools.

Prerequisites for teaching drawing in the eighth grade in the Normal Training School.

Open only to freshmen and sophomores. If taken by juniors or seniors only one-half credit will be given.

11.—HANDWORK I. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, Kindergarten and Primary Drawing.

Elementary water color and design; weaving, modeling, paper cutting and other practical handwork for use in the lower grades and the rural schools.

12.—HANDWORK II. *Two hours credit.*

Summer Term, and First Semester.

Prerequisite, course 1 or 2.

Handwork adapted to children above the fifth grade.

13.—BLACKBOARD DRAWING. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, Free-hand Drawing I or its equivalent. Practice in blackboard drawing, using chalk and charcoal. The purpose of the course is to give facility with the chalk for general illustrative purposes in the classroom.

14.—CLAY MODELING. *Two hours credit.*

Summer Term, and Each Semester.

Elementary modeling of clay suitable for the lower grades, also more advanced work for high schools.

16.—BASKETRY I. *Two hours credit.*

Summer Term, and Each Semester.

Instruction in weaving raffia mats, baskets, trays, etc.

17.—BASKETRY II. *One hour credit.*

Summer Term, and Each Semester.

Instruction in reed weaving.

50.—DESIGN I. *Five hours credit.*

Summer Term, and Each Semester.

Prerequisite, Free-hand Drawing I or Elementary Free-hand and Construction Drawing. Study of historic ornament; original designs aplied to materials in Art Needlework; costume design. This course is prerequisite for certain courses in Household Arts.

51.—DESIGN II. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, Drawing I or Free-hand and Construction Drawing. Principles of design, problems involving the principles of rhythm, balance and harmony, original designs for stenciling, wood carving, etc.

52.—APPLIED ARTS. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, courses 1 and 6 or the equivalent. Instruction and practice in applying designs to the processes of silversmithing, coppersmithing, leather tooling, etc.

54.—COMMERCIAL DESIGN. *One hour credit.*

Summer Term, and Each Semester.

Prerequisites, Free-hand Drawing I or course 7, and Free-hand drawing II or course 6 or 50. Instruction and practice in decorative lettering and poster design.

20.—PICTURE STUDY IN THE GRADES. *Two hours credit.*
Summer Term, and Each Semester.
Methods of teaching children to become acquainted with and interested in good pictures.

55.—INTERIOR DECORATION. *Two hours credit.*
Summer Term, and Second Semester.
Prerequisite, Design I or Design II. Fundamental principles regarding the interior arrangement of the home and its decoration. The study of furniture, and choice of it for the home. The study of color in its relation to walls, pictures, draperies, and floor coverings. Elevations of walls, showing spacings, color schemes, draperies, placing of furniture, etc., are designed and drawn in color by the students.

56.—HISTORY OF ART I. *Two hours credit.*
Second Semester.
A brief survey of the history of architecture.

57.—HISTORY OF ART II. *Four hours credit.*
Second Semester.
A study of the history of modern painting.

58.—HISTORY OF ART III. *Two hours credit.*
First Semester.
A brief study of American art.

60.—SEMINAR COURSE I. *One hour credit.*
Current literature concerning present-day art and artists.

61.—SEMINAR COURSE II. *One hour credit.*
A survey of the history and trend of art education in the public schools.

62.—ART APPRECIATION. *Three hours credit.*
Summer Term, and Second Semester.
A study of the world's great masterpieces of art with reference to recognized principles of art as applied to architecture, sculpture and painting.

Manual Art.

Professor BRAUCHER.
Mr. SHARP, Instructor.

The courses in Manual Training are outlined with the purpose of giving all teachers who can avail themselves of the opportunity a thorough general knowledge of the subject as used in our public schools as a means of general education. The courses are elective and open to all students who may wish to prepare for teaching handwork in schools. For the purposes of superintendents and principals, and candidates for the Certificate of Special Proficiency in Rural School Teaching, the general courses may be modified to meet the particular needs of the individuals electing them. Students majoring in agriculture, physics, or mathematics may also have the general courses modified to meet their particular needs. The rapid reorganization of thought and practice in connection with trade and vocational education is making a great change in the requirements of persons contemplating teaching in courses in Manual Arts, adding particularly a considerable amount of

shop or trade experience. Students preparing for positions under the Smith-Hughes act relating to state and federal aid will find it greatly to their advantage to have had one or more years of actual experience in the trade or industry which he seeks to teach. After September 1, 1918, therefore, students enrolling in the courses in this department will be expected to have had or to secure during or after the period of instruction an increasing amount of actual trade or shop experience, up to a maximum of three years, after September 1, 1920. Those preparing for the certificate without this experience will find opportunities for future employment greatly reduced by such lack of experience. The courses in drawing and woodwork are arranged in their order of sequence, and should be taken in their regular order unless special reasons show a need for changing it.

A special certificate to teach Manual Training in Kansas high schools is issued for work in this department. For requirement for this certificate, see page 54.

But half of the four-hour courses is given in the Summer Term.

1.—MECHANICAL DRAWING. *Four hours credit.*

Summer Term, and each Semester.

Prerequisite, Plane Geometry. A course in the elements of mechanical drawing, beginning with geometrical constructions and dealing with orthographic, isometric and cabinet projections, surface developments, intersections, shadows, etc. Working drawings are required to give training in the application of mechanical drawing to accurate expression in the industries. An effort is made to get practical results, while at the same time giving as much of the theoretical principles as the time will permit. Supplies, $2.50 per semester. (Braucher.)

2.—WOODWORKING. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 1. A course in elementary woodworking for mature students who have some ability and training in the use of woodworking tools, but have not applied this skill to preparation for manual training. The work at the bench will include exercises in designing and making problems suited to manual training for children in the grades, to give a knowledge of work suitable for the beginner. Deposit for supplies, $2 to $5. (Sharp.)

2*a*.—RURAL-SCHOOL WOODWORKING. *Two hours credit.*

The course in woodworking is adapted to the needs of rural-school teachers. (Sharp.)

4.—FARM CARPENTRY. *Four hours credit.*

Summer Term, and Each Semester.

A course in the elementary principles and practices in building construction, involving framing, bracing, strength and combination of materials to withstand strains and carry loads. Careful study of the principles and uses of the steel square with exercises in typical application in laying out rafters, braces, etc. (Braucher.)

5.—SHOP MATHEMATICS. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, High School Mathematics, A course in the application of arithmetic and higher mathematics to shop and other construction problems. (Braucher.)

9.—JOINERY AND CABINETMAKING. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisite, courses 1 and 2. A course in advanced woodworking, dealing with more extensive problems in wood construction in which a large use is made of joints and panels. Problems requiring student initiative and adaptation will be assigned, involving practical applications of constructive design and the selection of appropriate principles of construction. Deposit for supplies, $3 to $6. (Sharp.)

10.—WOOD TURNING. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisite. sixteen hours Manual Training. A course in wood turning, beginning with elementary exercises in spindle turning, with applications. Some problems in face-plate and chuck work will be given, together with as wide application of the work to practical construction as time will permit. Deposit for supplies, $2 to $5. (Braucher.)

11.—FURNITURE CONSTRUCTION. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisites, Mechanical Drawing, Woodworking, and Joinery and Cabinetmaking. The study of periods and styles of furniture, with the application of design to furniture construction. Several typical pieces are designed, and one or more made in the shop, Students pay for material used. (Braucher.)

50.—THEORY AND PRACTICE. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisite, sixteen hours Manual Training. A methods course, required of students expecting to qualify for Manual Training Certificate, and offered to advanced students of education, without the prerequisites, who wish to learn something of the content of manual training for administrative purposes. No tool work is offered in this course, but the time will be given to reading, reports, and discussions of the theory and practice of manual training in education. Courses of study, textbooks, equipments, supplies, etc., are studied.

Open only to freshmen and sophomores. If taken by juniors or seniors only one-half credit will be given. (Braucher.)

Biology and Geology.

Professor WOOSTER.
Associate Professor AGRELIUS.

THE SCIENCE OF ORGANISMS—ZOÖLOGY.

1.—ANIMAL ECOLOGY. *Five hours credit.*

Each Semester.

Classes meet in laboratory and recitation daily. This course includes the work given in Field Zoölogy and Animal Life on birds and insects and elementary study of animal development, and method of survival in the struggle for existence. It is especially intended for those who have not had zoölogy in the high school.

1*a*.—FIELD ZOÖLOGY. *Two hours credit.*

Summer Term.

Classes meet in laboratory and recitation daily. This course is intended for those who have taken an equivalent course in zoölogy in the high school, and desire to gain a knowledge of insects and birds for use in nature study, agriculture and other natural history work.

Methods of teaching science in the grades are given with this course. The course may be taken also during the first half of the first semester and during the second half of the second semester as a part of Animal Ecology.

1*b*.—ANIMAL LIFE. *Three hours credit.*

Second half of First Semester and first half of Second Semester.

This course is given as a part of the course in animal ecology, and may be used as a methods course for teaching science in the grades or in high schools. It is an ideal course for the study of the philosophy of life and of living.

4.—ECONOMIC BIOLOGY. *Five hours credit.*

Each Semester.

Classes meet in laboratory and recitation daily. This course includes the work given in Industrial Botany and Systematic Zoölogy, and embraces a study of the structure and functions of representative animals and plants and of their relationship to the home, shop, garden and farm. This course also gives a study of the embryology, development and evolution of plants and animals.

4*a*.—INDUSTRIAL BOTANY. *Two hours credit.*

Summer Term.

Classes meet in recitation and laboratory work daily. In this course plants are studied in their home, shop, garden and farm relations with a minimum of pure botany. Nearly fifty experiments are performed by members of the class to show soil relations of plants, their methods of food making and their specific usefulness to man. This course may be taken also during the first half of the first semester and the second half of the second semester as part of Economic Biology.

4*b*.—SYSTEMATIC ZOÖLOGY. *Three hours credit.*

Second half of First Semester, and first half of Second Semester.

This course is regularly given as a part of the course in economic biology, and gives a brief but fairly satisfactory study of the development or evolution of animal life. It also emphasizes the importance of a knowledge of the various pathogenic forms of animals, especially those which seriously endanger human health and that of the domestic animals.

ENVIRONMENTAL SCIENCE—GEOLOGY.

5C.—GEOLOGY OF THE UNITED STATES. *Five hours credit.*

Each Semester.

Some knowlege of zoölogy is desirable as a preparation for the second half of this subject. Geology comprises a study of the dynamical, structural and historical geology of our country, and includes laboratory and field work. It is a very necessary preparation for the teaching of physical geography and for the full understanding and enjoyment of all natural scenery.

7.—GEOLOGY OF KANSAS. *Two hours credit.*

Summer Term.

Daily, laboratory and recitation. This brief course in Kansas geology comprises studies in soil, climate, forest, and the subjacent rock formations with their included forms of extinct life; and the geological work of wind, rain, air, moisture and running water, all with especial reference to understanding the physical features of our state.

THE SCIENTIFIC METHOD—SCHOOL SCIENCE.

8.—NATURE STUDY. *Two hours credit.*

Summer Term.

The course in nature study treats of the methods of teaching natural history in the grades, and will be illustrated with numerous nature-study lessons.

51.—GENERAL SCIENCE COURSE. *Four hours credit.*

Each Semester.

This course is intended to give a general preparation for teaching general science in the junior high school. It includes methods of teaching the biological sciences in the high schools, as well as full discussions of science teaching in general and lessons on the subject matter.

BOTANY.

Associate Professor AGRELIUS.

9.—DEVELOPMENTAL BOTANY. *Five hours credit.*

Summer Term, and Each Semester.

This course includes the following divisions, which may be taken either one without the other, but preferably as a whole. Deposit, seventy-five cents.

9*a*.—DEVELOPMENTAL BOTANY OF SPORE PLANTS. *Two hours credit.*

Summer Term, First Semester, and first half of Second Semester.

This course includes a systematic study of the lower plants from the simplest upward, ending with the appearance of seeds. Special emphasis is placed on the forms of particular importance, such as the bacteria and the other fungi. It should be accompanied by course 9*b*.

9*b*.—DEVELOPMENTAL BOTANY OF SEED PLANTS. *Three hours credit.*

Summer Term, first half of First Semester, and second half of Second Semester.

This includes the study of the seed plants. It begins with the seed and its germination and follows the developing plant through its various stages, including maturity. Special attempt is made to give the course cultural and economic value. It supplements the previous course, but is a unit by itself.

10.—PLANT ANATOMY. *Four hours credit.*

First Semester.

Prerequisite, course 9 or its equivalent. Includes a study of the tissues of plants in relation to their function. A set of microscope slides is prepared. These are of much use in presenting the subject of botany in high schools. Deposit, $1.

11.—PLANT NATURE STUDY. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, high-school botany, or its equivalent. The phases of plant life which may be profitably presented in the grades are determined. The modes of presenting such work, and the literature useful in teaching the subject, are studied.

52.—PLANT PHYSIOLOGY. *Three hours credit.*

Second Semester.

Prerequisite, course 9 or its equivalent. This course embraces a study of the vital processes of plants—absorption, excretion, circulation, respiration—and is intended as a preparation for this phase of botany teaching in the high school. It deals with practical phenomena. Deposit, $1.

53.—SYSTEMATIC BOTANY. *Two hours credit.*

Summer Term, and First Semester.

Prerequisite, course 9. The classification of plants, especially those of the local flora; the preparation of an herbarium. Intended to acquaint teachers and others with the common and the scientific names of the more familiar plants, and to enable them to identify those less familiar; to assist teachers, especially of rural communities, in arousing an interest in their pupils for their local environment. Especially helpful to teachers of nature study. Deposit, $1.

BACTERIOLOGY.

Associate Professor AGRELIUS.

A maximum credit of six hours may be allowed any student for graduation.

12.—GENERAL BACTERIOLOGY. *Four hours credit.*

Summer Term (*three hours credit*), and First Semester.

No prerequisite. This is a general course in bacteriology. It includes the preparation and use of ordinary and special media and stains, and other bacteriological technique, and a study of the distribution, dissemination, classification, and identification of bacteria. Special attention is given to those forms causing disease in man and other animals, and to immunity from these organisms; to water supplies; the disposal of sewage; and to individual and community hygiene. Deposit, $2.

13.—AGRICULTURAL BACTERIOLOGY. *Three hours credit.*

Second Semester.

This consists chiefly of laboratory work, and includes methods of growing and staining bacteria; a study of the kinds of special interest to the farmer because of their relation to soil formation and fertility, to disease in live stock, and the dairy and other farm products. Deposit, $2.

14.—HOUSEHOLD BACTERIOLOGY. *Three hours credit.*

Second Semester.

This treats of the preparation of media for growing bacteria and molds; of the staining of these organisms; of their forms and functions; and of their relation to the home. It includes the preservation of fruit; the effect of bacteria on milk, butter and other foods; the location of wells and the care of the same; the disposal of wastes; and the lighting and furnishing of the home as affecting the health of its occupants. Deposit, $2.

Chemistry.

Professor MAYBERRY.

The Chemistry Department occupies commodious quarters in Norton Science Hall. In addition to a large lecture room with a demonstration table there are two well-lighted laboratories, a weighing room, a storeroom and an office. Recently much valuable apparatus has been installed and such supplies purchased as will permit of the very highest grade of work in all lines of analytical chemistry. The object of the department is to give students a clear insight into this very important science and at the same time train teachers for successful instruction in our best high schools and academies. A fee is charged in each course to cover the actual cost of chemicals and breakages.

1.—GENERAL CHEMISTRY. *Five hours credit.*

Summer Term, and Each Semester.

This is a course in inorganic chemistry. It includes a study of the fundamental principles and laws of the science, with a detailed study of both nonmetallic and metallic elements. Much practice in writing reactions and solving chemical problems is given. General experiments and demonstrations accompanying the daily recitations, and a minimum of four hours a week laboratory work is required.

2.—INORGANIC CHEMISTRY. *Five hours credit.*

Each Semester.

Prerequisite, Chemistry I. The work covered is practically the same, but of more advanced nature, intended for those who wish to teach chemistry or desire a more extended knowledge of the subject.

3.—QUALITATIVE ANALYSIS. *Five hours credit.*

Summer Term, and Eeach Semester.

Prerequisite, course 1 and, if possible, course 2. This course covers the detection of metallic and nonmetallic ions and the analysis of salts and ores. It is almost wholly a laboratory course. A minimum of eight hours laboratory work and one hour recitation each week is required.

4.—ORGANIC CHEMISTRY. *Three hours credit.*

Each Semester.

Prerequisite, course 3. The aim in this course is to give a comprehensive view of the various classes of hydrocarbons and their derivatives through the study of some selected types.

5.—ORGANIC ANALYSIS. *Three hours credit.*

Each Semester.

Prerequisite, course 4. There are two divisions in this course. Many experiments of a general nature are included in both divisions.

(*a*) General analysis—a course designed for students in agriculture and those interested in the analysis and tests of foods.

(*b*) Food analysis—a course designed for students in home economics and those interested in the analysis and tests of food.

6.—CHEMISTRY OF EVERYDAY LIFE. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 1. This is a practical course designed to make clear the chemical phenomena of everyday life. Simple tests are applied to water, air, milk and other foods to determine their purity. A careful study is made of the use of soaps and the removal of stains.

7.—CHEMISTRY OF TEXTILES. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 1. The simple analysis of forty-five to fifty samples of textile fabrics to determine the quantities of cotton, wool, silk or linen. Attention is given to the distinction between tone and artificial silks and to the weighing of fabrics.

50.—QUANTITATIVE ANALYSIS. *Five hours credit.*

Summer Term, and Second Semester.

Prerequisite, course 3. This course includes both gravimetric and volumetric methods of quantitative analysis. It is a laboratory course, requiring a minimum of eight hours laboratory work and one hour recitation each week.

51.—AGRICULTURAL CHEMISTRY. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, course 3. The application of chemistry to the study of soils, soil analysis, plant nutrition, and soil fertilization. The general relation of chemistry to various farming operations will be studied.

52.—SPECIAL ANALYSIS. *Three hours credit.*

Prerequisite, course 50. A course intended for students desiring to work out problems in rock, soil, food, etc. Analysis. The work is arranged to suit the needs of the individual students.

Commerce.

Professor PARKE.
Mr. CREMER, Instructor.

This department aims (1) to prepare teachers to organize and conduct commercial courses in high schools; (2) to train teachers and supervisors of penmanship; (3) to offer elective courses for those who wish to obtain some knowledge of business subjects as a part of their general education.

A *major* in Commerce for the degree of Bachelor of Science in Education should include:

	hrs.		*hrs.*
Accounting	11	Ec. and Ind. Geography	3
Law	8	General Economics	3
Business Organization	2	Commercial Arithmetic	2
Office Training	2	Prin. and Meth. in Commercial Education	2
Methods in Penmanship	2		

A *minor* of fifteen hours may be selected from any other department.

Shorthand and typewriting are strongly recommended. They are counted on the special certificate (see page 53), but do not apply on this degree. The demand for teachers of shorthand and typewriting is very strong.

In all the accounting courses instruction is given in the use of business papers, in business customs, and in business organization and management. Students are also familiarized with the state texts in bookkeeping used in Kansas high schools.

A special certificate to teach commerce in Kansas high schools is issued for work in this department. For requirements, see page 53.

1.—ELEMENTARY ACCOUNTING. *Three hours credit.*

Summer Term, and Each Semester.

This course serves as an introduction to the field of accounting. Single entry, double entry, trial balance, balance sheet, cost and income or profit and loss statements, closing the books, special books, special columns in books, subsidiary ledgers, and controlling accounts. The course is given by textbooks, lectures, and practical problems and exercises.

3.—MERCANTILE ACCOUNTING. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, Elementary Accounting or a year of high-school bookkeeping. Shows the application of accounting principles to various lines of mercantile business. Practical sets of transactions are worked out and practical problems solved.

4.—HOUSEHOLD ACCOUNTS. *One hour credit.*

On sufficient demand.

No prerequisite. A simple but complete plan for keeping a classified record of household receipts and expenditures.

5.—FARM ACCOUNTING. *Two hours credit.*

First Semester.

No prerequisite. A practical system of keeping farm accounts, so devised as to show the condition, progress, and results of the farm business as a whole and in each of its departments. A course useful to students in agriculture as well as to those in commerce.

6.—BANK ACCOUNTING. *Two hours credit.*

First Semester.

Prerequisite, Elementary Accounting. Organization, management, and functions of banks. Books are opened from statements of a bank already in operation, transactions entered, and statements made. Forms of books and statements of different banks studied and compared.

8.—WHOLESALE ACCOUNTING. *Three hours credit.*

Second Semester.

Prerequisite, Elementary Accounting. Emphasis is placed upon the classification of accounts and the interpretation of business statements.

14.—BUSINESS LAW I. *Three hours credit.*

Summer Term, and Each Semester.

No prerequisite. It is the aim in this course to teach those principles of law that give one an intelligent idea of his legal rights and limitations in business dealings. The law of contracts, sales, commercial paper, agency, partnership, corporations, and real estate, are among the topics studied. Drills are given in writing legal paper. Constant reference is made to Kansas statutes and court decisions.

17.—ELEMENTARY STENOGRAPHY.* *Four hours credit.*

First Semester, Benn Pitman system.

Second Semester, Gregg system.

No prerequisite. Emphasis is placed upon mastery of principles and correct formation of characters and outlines. Much drill is given in reading shorthand as well as in writing ordinary business and literary matter.

18.—ADVANCED STENOGRAPHY.* *Four hours credit.*

First Semester, Gregg system.

Second Semester, Benn Pitman system.

Prerequisite, Elementary Stenography. Special contractions and shortening principles, phrasing, and daily dictation, with reading and transcription of notes. Emphasis is placed upon accuracy and readiness in transcribing.

19.—SHORTHAND SPEED PRACTICE.* *Two hours credit.*

On sufficient demand.

Prerequisite, Advanced Stenography. Dictation of difficult matter, use of dictaphone, discussion of office routine.

22.—ELEMENTARY TYPEWRITING.* *Three hours credit.*

Summer Term, and Each Semester.

No prerequisite. Beginning with the mastery of the keyboard by the touch method, the student is led by a series of progressive

* This course applies on the certificate requirements but not on the degree of B. S. in Education requirements after September; 1918.

exercises to the acquisition of practical speed and accuracy in writing ordinary business and literary matter. Laboratory fee, $4.

23.—ADVANCED TYPEWRITING.* *Two hours credit.*

Second Semester.

Prerequisite, Elementary Typewriting. Drill is given in writing from copy and from dictation, and in various lines of office work. Laboratory fee, $2.

26.—METHODS IN PENMANSHIP. *Two hours credit.*

Summer Term, and Each Semester.

Designed for supervisors and teachers of penmanship in elementary and high schools. Discussion of aims; a study of the psychology, physiology, and hygiene involved; development of muscular control, and of speed with legibility; scales, their function and value; blackboard illustrations; analysis and discussion of letters, singly and combined; recent experiments. The library is well supplied with books and articles by investigators and teachers, and to these the student is constantly referred.

Open only to freshmen and sophomores; if taken by juniors or seniors only one-half credit will be given.

51.—ADVANCED ACCOUNTING. *Three hours credit.*

Second Semester.

Prerequisite, six hours of Accounting. This course is devoted mainly to a study of modern cost keeping, with attention to the distinctive features of corporation accounting, and a study of the form and interpretation of the balance sheet.

52.—ACCOUNTING PROBLEMS. *Two hours credit.*

Second Semester.

Prerequisite, nine hours of Accounting. Theory and philosophy of accounts. Accounting systems are studied and systems devised, with problems and exercises illustrating accounts and methods of various classes of enterprises. C. P. A. problems are largely used. The library is supplied with books and periodicals treating of accounting theory and practice.

54.—OFFICE TRAINING. *Two hours credit.*

Second Semester.

Prerequisite, nine hours of Commerce. A study of the organization and management of an office, including correspondence, handling the mail, use of filing systems and office appliances, and the preparation of business and legal papers.

57.—BUSINESS ORGANIZATION. *Two hours credit.*

On sufficient demand.

It is advised that this course be preceded by General Economics. Fundamental principles of business administration. The individual business man, the partnership, and the corporation. Extractive, manufacturing, and distributive industries. The various departments of a large business and their relation to one another. The market, advertising, credits and collections. The administrative department and accounting methods.

60.—ELEMENTARY LAW. *Three hours credit.*

Summer Term, and First Semester.

Designed to give a general view of the American legal system. Among the topics studied are: Written and unwritten law; personal

* This course applies on the certificate requirements but not on the degree of B. S. in Education requirements after September, 1918.

and property rights; criminal law; private wrongs; remedies for public and private wrongs, with an outline of court procedure. Statutes and court decisions are used freely. Valuable to students of history, government, and economics, as well as of business subjects.

61.—BUSINESS LAW II. *Two hours credit.*

Second Semester.

Prerequisite, Business Law I, or Elementary Law. An advanced course with emphasis on contracts and negotiable instruments.

62.—PRINCIPLES AND METHODS IN COMMERCIAL EDUCATION. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisite, twelve hours of Commerce. A teacher's course, including among other topics the following: Essentials of commercial education; the high-school commercial course, including subjects to be taught, order of presenting them, amount of work to be done in each, methods of teaching. Relation of the business course to the business community; adaptation of the course to the small, the medium, and the large high school, and to local conditions.

English.

Professor BARRETT.
Associate Professor NEWTON.
Miss MCDANIEL, Instructor.
Miss ASKEW, Instructor.
Mr. BIRDSONG, Instructor.
Miss KEERAN, Instructor.
Mr. WILSON, Instructor.

For those majoring in English, courses 16, 17, 56 and 57 are especially recommended. They should take courses in English History as early as possible to furnish a background for their work in English Literature. Fundamentals of Expression and other courses in the Public Speaking Department are almost essential to one who is preparing to teach English.

1*a*.—RHETORIC AND COMPOSITION I. *Three hours credit.*

Summer Term, and Each Semester.

In this course there is a severe drill in the simpler technique of writing. The student is required to write constantly and continually. Current magazines are used as a source of material and as models of prose style. Required of all students except those who are promoted to a more advanced course after having shown their ability to write. Open to freshmen and sophomores. If taken by juniors or seniors, only one and one-half hours credit will be given.

1*b*.—RHETORIC AND COMPOSITION II. *Three hours credit.*

Summer Term, and Each Semester.

The written work of course 1*a* is continued, and in addition the reading of much standard English prose is required.

2.—NEWSPAPER ENGLISH I. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, Rheteoric and Composition I. This is a study of the form of composition of the news report. The development of a terse and powerful style is sought. Fully fifty percent of the material written in this class reaches the printing press.

3.—NEWSPAPER ENGLISH II. *Three hours credit.*

Second Semester.

Prerequisite, Rhetoric and Composition I. This is a study of current opinion. The editorial, as an intelligent comment on affairs, will be studied. The simpler kinds of critical writing will be taken up. Each student will undertake, with a view of publication, an investigation of some subject vital in modern life. These courses in general journalistic English are designed to give the teacher power to put the school before the public.

4.—ADVANCED COMPOSITION FOR WOMEN. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, Rhetoric and Composition I. A constructive course in written and oral English. Papers based upon personal investigation and library research work are required. Demonstrated talks along lines in which the student is especially interested are emphasized. The course fits the student for constructive work in English which she will meet in life, such as papers and talks before teachers' associations and clubs.

11.—AMERICAN LITERATURE. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, Rhetoric and Composition I. This course gives a general review of the history of American literature, but the emphasis is strictly placed on the classics. Methods in presenting the work in high school will be suggested. Much reading in the library is required.

12.—THE NOVEL. *Three hours credit.*

Summer Term, and Second Semester.

Prerequisite, Rhetoric and Composition I. A study is made of the rise and development of the novel. The structure of the novel is studied. An intensive study is made of some of the novels of Jane Austen, Scott, Dickens, Thackeray, George Eliot, Meredith, and Hardy.

13.—CURRENT LITERATURE. *Three hours credit.*

Second Semester.

Prerequisite, Rhetoric and Composition I. In this course a study is made of some of the best new or recent poetry, essays and fiction. Comparison is made with established models, and an effort is made to develop power of criticism. Current magazines and the library are used extensively.

14.—NINETEENTH CENTURY PROSE. *Three hours credit.*

Summer Term, and Second Semester.

Prerequisite, Rhetoric and Composition I. The course includes a study of Lamb, DeQuincey, Carlyle, Macaulay, Ruskin, and Arnold. The characteristics of the prose style of each as well as the content matter is examined. The development of the essay is also noted.

16.—ENGLISH LITERATURE, 1660-1800. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, Rhetoric and Composition. A study is made of the classical period and its prose and poetry. The growth of the romantic movement will be traced to its culmination at the end of the century.

17.—ENGLISH ROMANTIC POETS. *Three hours credit.*

First Semester.

Prerequisite, Rhetoric and Composition I. A general survey of the

"Romantic Movement" is made. The poets considered are: Wordsworth, Coleridge, Scott, Byron, Shelley, and Keats.

18.—THE SHORT STORY. *Two hours credit.*

First Semester.

Prerequisite, Rhetoric and Composition I. Both the constructive and literary sides of the short story are emphasized. Various types are studied. An original short story is written.

19.—CHILDREN'S LITERATURE. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, Rhetoric and Composition I. Consideration of methods of interesting children of grades 1 to 8 in good literature; principles of book selection; study of types of the best modern children's books by actual examination and reading. Better taken in sophomore than in freshman year.

30.—METHODS IN ELEMENTARY ENGLISH. *Two hours credit.*

Summer Term, and First Semester.

The aim of this course is to give as definite preparation as possible for the work of teaching English in the grades. Skill in the use of English as an instrument for conveying thought, both information and feeling, is the goal. Attention is given to composition work with special reference to the problem of adequate motivation. Chief emphasis is placed upon the problem of the selection and use of literature for the several grades which shall develop character. McClintock's Teaching of Literature in the Elementary School is the basic text.

Open only to freshmen and sophomores. If taken by juniors or seniors only one-half credit will be given.

51.—SHAKESPEARE'S TRAGEDIES. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisite, six hours of College English. This is a study of the conception of the tragedy in literature. All of Shakespeare's tragedies are read and discussed. One of his greater tragedies is studied intensively. Shakespeare's versification and the composition of blank verse in general receives attention. Aristotle's Poetics is read, and therefrom a philosophy of the tragedy constructed.

52.—SHAKESPEARE'S COMEDIES. *Two hours credit.*

First Semester.

Prerequisite, six hours of college English. Eight of Shakespeare's comedies are read, chosen from the different types. Some attention is paid to the life and times of Shakespeare and the development of his genius.

53.—TENNYSON. *Two hours credit.*

Summer Term, and First Semester.

Prerequisite, six hours of College English. A study of the author's characteristic poems.

54.—BROWNING. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisite, six hours of College English. This course includes all of Browning's short poems that are usually studied in schools, his dramas, and selections from "The Ring and the Book."

55.—THE MODERN DRAMA. *Two hours credit.*

Second Semester.

Prerequisites, six hours of Composition and three hours of Litera-

ture. About fifteen plays are studied, including some of Pinero, Fitch, Shaw, Jones, Yeats, Hauftman, Brieux, Echegaray, Thomas, and others.

56.—ENGLISH LITERATURE TO 1500. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, Rhetoric and Composition. The object of this course is to make a general review of English literature from its earliest beginning down to the Renaissance. Some time is devoted to Chaucer. The sources of various movements that develop later are noted. Students are expected to spend considerable time reading in the library.

57.—ENGLISH LITERATURE, 1500-1660. *Three hours credit.*

Summer Term, and Second Semester.

Prerequisites, six hours of Composition and three hours of Literature. The English drama, except Shakespeare, is studied. Spencer, Bacon and Milton are given due attention.

60.—TEACHING OF HIGH-SCHOOL ENGLISH. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisite, fifteen hours of College English. Various problems that confront the teacher of high-school English are taken up and discussed. The different types of literature are studied, and methods of presenting each are worked out. The teaching of composition and grammar in the high school is also taken up.

Geography.

Professor ATWOOD.
Miss WILLIAMS, Instructor.

1.—ECONOMIC AND INDUSTRIAL GEOGRAPHY. *Three hours credit.*

Summer Term, and Each Semester.

How the World War has affected the use of our resources. A study is made of the distribution, development, and conservation of the world's natural resources, and their relation to the growth and power of the great nations. The geographical factors are emphasized which influence the location and growth of industrial regions, trade centers and routes, and commercial activities.

2.—NORTH AMERICA. *Four hours credit.*

First Semester.

A study of the physiography of the continent, and its influence upon the development of the nation. Emphasis is given to the distribution, development, and conservation of the natural resources of the United States, and their relation to industrial and commercial activities. The advantages of North America as the home of the greatest nation are noted.

3.—SOUTH AMERICA. *Three hours credit.*

Summer Term.

The geographical factors influencing the development of the nations of South America are studied. Consideration is given to the future progress of those nations as influenced by the physical advantages and disadvantages. The industrial regions, trade centers, and commercial activities of the continent are noted.

5.—EURASIA. *Four hours credit.*

First Semester.

The course includes a description of several regions, including the geology, topography, physiographic history, climate and re-

sources. The influences of geographic conditions on industries, on the location and growth of cities, and on the World War are discussed.

6.—METHODS IN ELEMENTARY GEOGRAPHY. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, Economic and Industrial Geography, or its equivalent. The nature and scope of geography and its relation to other subjects of study is emphasized. Subject matter for a course of study is selected, and other courses of study are considered. A study is made of methods of presentation for different grades. Illustrative and graphic material is obtained and used. Textbooks and other material are noted.

7.—ADVANCED PHYSIOGRAPHY. *Four hours credit.*

Second Semester.

Prerequisite, High-school Physical Geography or its equivalent. Climate is a very important factor limiting man's accomplishments. Half the semester is given to a study of elementary meteorology and world climates. The types of land forms, their origin, growth and relation to man's interests are discussed. Subject matter is selected and methods for high-school teachers are considered. One hour a week of laboratory work is required.

8.—ILLUSTRATIVE AND GRAPHIC GEOGRAPHY. *One hour credit.*

Summer Term.

Chalk modeling is done of types of relief features, as mountains, valleys and coasts. Maps of different materials are made. Emphasis is given to the making of graphs and their uses. This course is of special help to illustrate and bring greater success in teaching. Learn to draw and talk geography.

10.—GEOGRAPHY OF EUROPE. *Three hours credit.*

Summer Term, and First Semester.

The land of the World War is before the people more than any other part of the world. The geographic conditions that entered into the cause of the war, that have influenced the movements of armies, and that will affect the results of the war will be considered.

50.—RELATION OF GEOGRAPHY TO HISTORY. *Three hours credit.*

First Semester.

The geographic factors that controlled mediæval trade and trade routes, and led to the discovery of the Americas are noted. A study is made of how geography determined the location and growth of early settlements of America and stimulated the western movement of people in the United States and the growth of the United States to a world power.

American History and Government.

Professor WHITNEY.
Associate Professor MYER.
Miss MINROW, Instructor.

AMERICAN HISTORY.

Professor WHITNEY.

1.—AMERICAN HISTORY, GENERAL COURSE. *Three hours credit.*

Summer Term, and Each Semester.

This is a textbook course designed especially to meet the three-hour college requirement for college students who have not had American history in the high school, and for those who do not expect to major in history.

2.—AMERICAN POLITICAL AND CONSTITUTIONAL HISTORY, 1789-1817. *Three hours credit.*

Each Semester.

War course. Special emphasis is laid upon the economic, governmental and international conditions which led to the War of 1812. These will be carefully compared with similar conditions leading to the Great War of 1914.

3.—AMERICAN POLITICAL AND CONSTITUTIONAL HISTORY, 1817-1860. *Three hours credit.*

Each semester.

This is an era of great internal development. Economic questions arise with direct bearing upon the Rebellion. New movements, educational, political, philanthropic, religious, literary and governmental, characterize the period. This is better understood if preceded by course 2.

4.—KANSAS HISTORY. *Two hours credit.*

Second Semester.

The laboratory method is used to develop the following lines of research: The discovery, exploration and early settlement of Kansas; Kansas as Indian territory; the great struggle for a free or a slave state constitution; Kansas in our Civil War; changes and political evolution since the sixties; the part Kansas has played in the nation's progress in education, letters, philanthropy, resources, and constitutional interpretation. Definite readings, reports and papers are required.

5.—THE REBELLION AND RECONSTRUCTION. *Four hours credit.*

First Semester.

The general facts underlying the precipitation of this conflict form the introduction. The war itself is studied by campaigns, with the attempt to discover the designs and methods of operation. The resources of the combatants, the armies, navies, supplies, means of transportation, etc., the finances, the attitude of foreign countries, are subjects of study. The problems of reconstruction, with all that is involved, the difficulties surrounding them, the ends sought, the methods of solving them and the consequences resulting, form the least understood part of our nation's history.

5*a*.—RECONSTRUCTION. *Two hours credit.*

Summer Term.

7.—METHODS IN ELEMENTARY HISTORY I. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, four hours of Drawing.

This course deals with the selection of material, method of presentation, books of reference, and means of visualization for history in grades one through five. Handwork of all kinds is used for illustrative work. Especially valuable for rural and elementary school teachers.

Open only to freshmen and sophomores. If taken by juniors or seniors only one-half credit will be given.

8.—METHODS IN ELEMENTARY HISTORY II. *Two hours credit.*

Summer Term, and Each Semester.

Same as course 7 except this course is for grades six, seven, eight and nine.

Open only to freshmen and sophomores. If taken by juniors or seniors only half credit will be given.

51.—AMERICAN HISTORY SINCE 1876. *Three hours credit.*

Summer Term, and Second Semester.

War course. This course stresses the leadership of the United States as a world power; her entrance into the World War; and her possibilities as a future leader of nations.

52.—AMERICAN COLONIAL HISTORY TO 1763. *Four hours credit.*

First Semester.

European conditions leading to our age of discovery, and the ancient life in America, are followed by a detailed study of the discoverers and explorers as expressive of the character, motives, methods, and result of European expansion in the fifteenth and sixteenth centuries. The planting of the individual colonies and the development of colonial institutions laid the foundation for the formation of the American nation.

53.—THE AMERICAN REVOLUTION AND CRITICAL PERIOD, 1763-1789. *Three hours credit.*

Second Semester.

This story of the struggle of the colonies for independence and of the nation to realize itself in government is a dramatic one. One sees a nation in the making and the process by which it builds great principles into its form of government.

54.—LATIN AMERICA. *Two hours credit.*

Summer Term, and First Semester.

War course. The history of these countries is studied in the light of their bearing on the great World War.

55.—THE WEST. *Two hours credit.*

Summer Term, and Second Semester.

The growth of our nation westward is studied for its causes and processes. New problems and how they affect our national life are considered.

56.—SEMINAR. *One hour credit.*

Each Semester.

Investigation and careful study of some subjects of interest to students and teachers of history and government is the work of his course.

GOVERNMENT.

Associate Professor MYER.

1.—AMERICAN GOVERNMENT—GENERAL COURSE. *Three hours credit.*

Summer Term, and Each Semester.

This course covers the whole field of national and state government. Not only the constitutional framework of our government, but the actual working of the governmental machinery and the problems which we, as citizens, must meet, are studied. Current magazines are used along with the text. Beard, "American Government and Politics," is the text.

2.—PROBLEMS OF LOCAL GOVERNMENT. *Three hours credit.*

Each Semester.

This course is conducted as in course 2, but it deals with the problems of the city, county and state. Especial attention is given to the government of Kansas and the problems of this state.

3.—PARLIAMENTARY LAW. *One hour credit.*

First Semester.

This class is organized as the United States senate, and it introduces bills, handles them in committee debates, and votes on them. It is hoped that those who come in will continue in the organization during the whole time they are in school for the civic training, even though credit is given for but one semester. The organization is known as "The Senate."

4.—CONTEMPORARY GOVERNMENTAL PROBLEMS. *Three hours credit.*

A study of this course is designed as an answer to President Wilson's call for a more intensive study in the schools of the problems of national life. The more important and fundamental of these problems are dealt with in lectures and assignments. Especial consideration is given to the study of current political literature, and students are expected to become thoroughly familiar with our more important magazines.

51.—GOVERNMENTAL PROBLEMS. *Three hours credit.*

Summer Term.

A study of American ideals and purposes, of our traditional ways of realizing them, and of various present-day plans and programs. With respect to each of the governmental problems which we take up, the inquiry is as to what solution would carry us farther toward the goal of true democracy. The study is based on Herbert Croly, "The Promise of American Life," and current magazines, especially *The New Republic.*

52.—INTERNATIONAL LAW AND DIPLOMACY. *Three hours credit.*

Summer Term.

A study of international policy. This year more emphasis is placed on our foreign policy and that of other nations than upon international law. We try to discover the fundamental reasons why nations go to war and the basis of an enduring peace.

53.—COMPARATIVE GOVERNMENT. *Three hours credit.*

Summer Term, and Each Semester.

A study of the nations at war. Autocracy as it exists in Germany is compared with democracy as it exists in England, United States, France, and Switzerland. Not only constitutions, but parties, leaders and social forces in each country are considered.

European History.

Professor WILLIAMS.

The equipment of the European History Department consists of 993 books of the following classification: General, consisting of history of civilization, philosophy of history, historical research and method, 152; European, 200; English, 275; Roman, 220; Greek, 132. Of this number 100 are either complete or extract source material. The additional material consists of three historical charts, fourteen wall maps, six graphic charts, ten wall pictures, and a large number of small pictures, eight historical atlases, and two complete stereoptican sets and slides of Greece and Rome. It is the plan of the department to complete this equipment until a fair-sized museum will be established.

All the courses offered in this department will connect the student with the present Great War, both through a study of the principles involved and the events underlying the conflict. Current periodicals will be used in all the classes.

1.—EUROPEAN HISTORY DURING THE MIDDLE AGES. *Three hours credit.*

First Semester.

This course covers the period of the history of Europe between the decline of the Roman Empire and the Renaissance in the fifteenth century. The period was preëminently an institutional epoch, when forms and customs were in the making. The course deals with the transition from the ancient to the mediæval world, the effects of the barbarian invasions; the growth of the Christian church; the feudal system; mediæval culture; and the beginnings of modern states and civilizations. Special attention is given in the course to a development of the historical point of view and in the use of source material. This course is considered fundamental to later work in history.

2.—MODERN EUROPEAN HISTORY. *Three hours credit.*

Summer Term, and Second Semester.

A general course dealing with the important phases of European history from the time of the Renaissance until the present. It treats of the Renaissance; the Reformation; the age of Louis XIV; the French Revolution and the Era of Napoleon; the Unification of Italy and Germany and the Europe of to-day. This course should follow course 1.

3.—HISTORY OF GREECE. *Three hours credit.*

First Semester.

Emphasis is laid on the artistic, intellectual, religious, social, economic and political life of the Greek people. Special attention is given to mythology as an aid to teachers in primary and secondary schools. The fundamental idea is kept in mind that the historical significance and importance of the Greeks is their contributions to the general civilization of the world in their development of a superior intellectual and æsthetic culture.

4.—HISTORY OF ROME. *Three hours credit.*

Second Semester.

This course traces the growth of the Roman state and people from the legendary period to the time of the incoming of the barbarian and the deliquescing of the empire. The real greatness of Rome, which forms a part of the world's possessions to-day—her monuments, her language and literature, her ideals of government, and her legal system—receive particular attention. Recommended to students majoring in Latin.

5.—HISTORY OF ENGLAND TO 1603. *Three hours credit.*

Summer Term, and First Semester.

In this course the aim is to trace the great movements by which ancient England has become modern England and the forces which have given rise to these movements. The fusing of several races into the English people. The early English institutions, which were the germs of later institutions, and the social and economic life of the period receive consideration.

6.—HISTORY AND GOVERNMENT OF ENGLAND FROM 1903 TO THE PRESENT. *Three hours credit.*

Summer Term, and Second Semester.

This course is a continuation of course 5. They should be taken in regular order, but with the consent of the department this requirement may be waived. The course deals with the successful working out by the English people of two great problems in government—that of self-government under free democratic forms, and that of governing remote dependencies. The development in the great fields of industry—manufacture and commerce—and the growth in social and intellectual progress are also studied.

7.—EIGHTEENTH CENTURY HISTORY. *Two hours credit.*

First Semester.

This course presents a preparatory study for the history of the nineteenth century. It was the eighteenth century which set the problems of progress and suggested their solution. It was the nineteenth century that worked them out in detail and made their applications. This course will deal with the European struggles for colonial and commercial supremacy, the Old Régime in Europe, the forces working for reform; France before, during and after the Revolution, and the Napoleonic era down to the Congress of Vienna in 1815. The territorial changes, national policies, economic conditions and intellectual interests of this period form the basis for a fuller understanding of the nineteenth and twentieth centuries.

8.—THE NINETEENTH CENTURY AND AFTER. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 1. This course begins with the reconstruction of Europe in 1815, and continues the history of Europe to the present. The ideas bequeathed by the French Revolution of social and political equality and freedom and the struggle for national unity and popular sovereignty are dominant factors in the period. The great economic, social and scientific changes which mark modern times are followed. The world problems and movements of to-day are studied through the newspapers and current periodicals. Reading, clipping, filing and reporting upon these current events form an interesting and valuable part of the course.

9.—BACKGROUND AND PROGRESS OF THE GREAT WAR. *Two hours credit.*

Summer Term, and Each Semester.

This course deals with some of the fundamental causes of the war, presenting the historical background, the attempts of diplomacy to avert the war, the immediate events leading to the war, and the spread of the war until it became world wide. The character and course of the war is followed from its outbreak. Attention is given to the various proposals for peace and definitions of war aims. The course is based on an outline with accompanying reading references.

13.—THE HISTORY OF GERMANY SINCE 1740. *Two hours credit.*

First Semester.

This course deals with the more important events of German

history from the ascension of Frederick the Great to the present time. The rise of modern Germany has long attracted the attention of American students, and the role she is now playing in the present European war makes her past and present a matter of special interest. The treatment of German life in all its aspects furnishes a good historical background for the student of the German language.

14.—THE HISTORY OF FRANCE. *Two hours credit.*

Second Semester.

This course attempts to present the leading facts of French history from early Roman times to the present, and is especially recommended to students of the modern languages and Latin.

51.—INDUSTRIAL AND SOCIAL HISTORY OF ENGLAND. *Two hours credit.*

First Semester.

Prerequisite, courses 5 and 6. This course is recommended to round out the study of English history. Mediæval rural and town life, trade and commerce, the economic changes of the fourteenth and fifteenth centuries that resulted in the breaking up of the mediæval system, the industrial revolution with its momentous results, the extension of government control shown in the factory laws, modification of land ownership, sanitary regulations and government industries, and the development of trade-unions, trusts and coöperation, are the principal topics of study.

52.—THE REFORMATION. *Two hours credit.*

Second Semester.

This course gives consideration to the general struggle between the old and the new order of things, the modern nations which were rising into power, and the need of reform before the revolt occurred. The individual reformers, together with the revolt and the counter-revolt in the various countries, are objects of study. The religious, political and economic results of the movement complete the study.

53.—THE FRENCH REVOLUTION. *Two hours credit.*

Second Semester.

To understand the social, economic and political conditions in France which were outgrown, and the origin and growth of the revolutionary spirit, is quite as necessary as to trace the history of the destruction of abuse and the struggle for liberty and rights. The course offers a study in social psychology and the political theories of the time, as well as a history of the Revolution itself.

54.—MEDIÆVAL INSTITUTIONS. *Two hours credit.*

On sufficient demand.

An intensive study of a number of select problems in mediæval social, political and religious institutions.

58.—SOUTHEASTERN EUROPE. *Two hours credit.*

Second Semester.

No portion of Europe presents such a museum of races or a finer laboratory history. At no time since the beginning of the Eastern Question has the Balkan Peninsula been of such political and military importance. The object of the course is to study not only the national history and characteristics of the present states, but also the environment and civilization of the people represented in these states. The course well represents history in the making.

59.—THE TEACHING OF HIGH-SCHOOL HISTORY. *Two hours credit.*

Summer Term, and Each Semester.

Open, by consent of instructor, to Sophomores. This course is intended to meet the needs of high-school teachers of history. It considers the nature and scope of history, the sources of historical knowledge, evidence and criticism, the past and present points of view in regard to the subject. The discussions cover the aims and values of historical study, the history program for the high school, materials and methods of instruction. Each student is expected to work out bibliographies for various history courses, criticize textbooks, select lists for library reference works, and report on current historical articles. Observation and criticisms of high-school classes form an important part of the course.

60.—SEMINAR IN EUROPEAN HISTORY. *One hour credit.*

Summer Term, and Each Semester.

Intensive study of a limited period or a special phase of social or political development with a view to training in historical method and use of the sources. Subjects vary from year to year.

Home Economics.

Professor BEYE.
Miss SAWYER, Instructor.
Miss WHITNEY, Instructor.

Students in this department should plan the work very carefully so that all prerequisite work may be completed by the time they wish to take a certain course. The student furnishes her own material for garments made. The fees charged are to cover supplies used in addition.

A special certificate to teach home economics in Kansas high schools is issued for work in this department. For requirements for the certificate, see page 54.

HOUSEHOLD ART.

Miss DEXTER.

1.—SEWING AND TEXTILES. *Five hours credit.*

Summer Term, and Each Semester.

This course consists of two parts: 1*a*, *Sewing;* two hours credit; six hours laboratory; fee, 75 cents. 1*b*, *Textiles;* three hours credit. 1*a*, or its equivalent, must be prerequisite or taken with textiles. Study of textile industry, fibers, materials, adulterations, and weaving. Fee, $2.

4.—DRAFTING. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisite, Household Art, Elementary Free-hand and Construction Drawing. Six hours laboratory; two hours lecture work. A course in designing and drafting of patterns applied on garment work. Fee, 75 cents.

5.—ELEMENTARY DESIGN I. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisite, Elementary Free-hand and Construction Drawing and Household Art 1. For description, see Art Department. (Eckdall.)

54.—APPLIED COSTUME DESIGN. *Four hours credit.*

Prerequisite, Household Art 4 and 5. Six hours laboratory; two hours lecture work. Application of study of design and color and selection of materials in garment work.

HOUSEHOLD SCIENCE.

Professor BEYE.
Miss WHITNEY, Instructor.

6.—SURVEY OF FOODS. *Four hours credit.*

Summer Term, and Each Semester.

Four hours laboratory; two hours lecture work. A survey course for those not majoring in home economics; a study of foods and the home. (Whitney.)

14.—FOODS I. *Four hours credit.*

Each Semester.

Prerequisites, high-school physics, high-school chemistry, general college chemistry. Four hours laboratory; two hours lecture work. A study of the principles governing the selection and preparation of proteins and fats. Fee, $4 to $6. (Whitney.)

15.—FOODS II. *Four hours credit.*

Each Semester.

Prerequisite, Household Science 14 and Household Bacteriology. A continuation of Household Science 14. A study of principles governing the selection and preparation of carbohydrates; a study of preserving and leavening agents. Fee, $4 to $6. (Whitney.)

18.—METHODS IN HOME ECONOMICS. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, one course in each, Household Science and Household Art. This includes the planning of courses in both household science and household art for the children of the grades, also the methods of presentation and the study of equipment. This course is prerequisite to practice teaching in the Training School. Open only to freshmen and sophomores. If taken by juniors or seniors only one hour credit will be given. (Beye.)

60.—ECONOMIC USES OF FOODS. *Three hours credit.*

Each Semester.

Prerequisite, Household Science 15, Physiology of Alimentation and Qualitative Analysis. Four hours laboratory; one hour lecture work. A study of food values from economic and calorie standpoint as applied to preparation of meals for families of varying ages, occupations and incomes. Fee, $4 to $6. (Beye.)

62.—DIETETICS. *Four hours credit.*

Second Semester.

Prerequisite, Household Science 60 and Organic Food Analysis. A study of the chemistry of food and nutrition, of diet under normal and abnormal conditions. Fee, $3. (Beye.)

64.—ECONOMIC PROBLEMS OF FOOD AND CLOTHING SUPPLY. *Three hours credit.*

Second Semester.

Prerequisites, Household Art 54, Household Science 60, and Sociology.

68.—HOUSE AND HOME. *Four hours credit.*

Summer Term, and Each Semester.

This course consists of two parts: 68*a*, *Household Construction and Sanitation*, with *two hours credit* (prerequisite, Household Bacteriology), offered by the Household Science Department (Whitney); and 68*b*, *Interior Decoration* (prerequisite, Elementary Design), with *two hours credit*, offered by the Art Department (Eckdall).

75.—TEACHERS' COURSE IN HOME ECONOMICS. *Two hours credit.*

Second Semester.

Prerequisite, General Psychology, Methods in Elementary Instruction, or Methods in Rural School Instruction, and Home Economics 1, 4, 54, 14, 15 and 68. This course includes methods in both household art and household science and is required of all persons expecting to be recommended from the department as household science or household art teachers, or supervisors. It includes the study of the history of home economics and education of women, together with studies in equipment and supplies. Includes teaching in Normal Training High School. (Beye.)

Latin.

Professor HOLTZ.
Mr. BLACK, Instructor.

EQUIPMENT.

The department is supplied with maps of the Roman world, ancient Italy, Gaul, Rome and its environment, the city of Rome and the Roman Forum; also with wall pictures, costumes, and statuary of classical subjects. The library contains a large and well-selected supply of reference books that will compare favorably with similar collections in the leading colleges and universities of the Middle West. Bound sets of the leading classical journals, as well as the current numbers, are always accessible to students. The department owns lantern slides, illustrating Cæsar's campaigns, the Saalberg camp, the story of the Æneid, and Roman public and private life. Students also have the advantage of several hundred post cards and small photographs suitable for use in the reflectoscope, and a carefully developed "Sabin Exhibit."

ENTRANCE.

Students entering with the required units of high-school credit may take any course for which they are prepared, and receive College credit when they satisfy the department that the character of their work is of College grade. Students with no Latin credit will take Elementary Latin; those with one unit credit will take Cæsar; those with two units, Cicero's Orations; with three units, Virgil's Æneid; with four units, Livy or Cicero's Essays. Students who have not had the equivalent of one hour per week in Latin composition for second and third year's work in the high school will be conditioned in composition pending an examination, or allowed to make up the requirement in the Normal Training High School classes.

A minimum credit for a year of elementary Latin will count toward graduation. Also a year's work in Cæsar will be so considered. All other courses will be recorded as per catalogue hours.

CHOICE OF OTHER SUBJECTS.

As the work of the student in History, Science, English, Modern Language, Mathematics—in fact, in every academic subject—is materially aided by the study of Latin, so the student of Latin should enrich his training with courses in the above departments. A student who expects to teach Latin should make special preparation to teach one or two other

subjects in order to meet the demands of the average high school. Of the three hundred fifty teachers of high-school Latin in Kansas the majority teach the following combinations: Latin and German; Latin and History; Latin and English; Latin and Science. Our teachers' bureau sometimes has calls for a teacher of Latin and Normal Training; Latin and Music; Latin and Mathematics. The following are recommended: Advanced English, European History, Sociology, and Public Speaking.

MAJOR.

Before completing a major or before securing a departmental or Normal Appointment Bureau recommendation, a student must make satisfactory records in the following courses: Virgil, Cicero's Essays or Livy, Advanced Composition, Latin Grammar, The Odes of Horace, Methods in High-school Latin. The remaining quota of hours will be selected upon consultation with the head of the department.

UNIVERSITY DEGREES.

Candidates for the higher degrees in a majority of the universities are held for two to four years of entrance Latin and for a reading knowledge of at least one modern language. Students should not embarrass themselves by failing to work off their language requirements before taking advanced work in the universities.

1.—ELEMENTARY LATIN. *Five hours credit.*

Summer Term, and Each Semester.

The essentials of Latin forms and syntax, including work in the subjunctive mode. The acquisition of an adequate vocabularly for the reading of short continuous passages and the writing of original exercises in Latin based upon pictures, current events, games and stories. The correlation of Latin with English, science and other subjects in the curriculum. The relation of Latin to the everyday life of the present.

2.—LATIN PROSE READINGS. *Five hours credit.*

Summer Term, and Second Semester.

Prerequisite, course 1. A continuation of the above, dealing in particular with easy prose reading. A study of the Helvetian campaign, or equivalent Latin, in addition to the exercises of the first-year text. Composition practice on assigned and original work. Practice in translation at sight and from hearing. Extensive study of English derivatives.

4.—CÆSAR AND COMPOSITION. *Five hours credit.*

Summer Term, and First Semester.

Prerequisite, courses 1 and 2, or a year of high-school Latin. Translation by assignment and at sight from three additional books of Cæsar's Galic War, or its equivalent. Syntax, stressing the subjunctive mode and all subordinate clauses, with composition by sentence and paragraph to illustrate the same. Individual studies and reports, with a summary of Cæsar's campaigns as a whole. Latin word formation and English derivatives.

5.—CICERO I; ORATIONS. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, course 4, or two years of high-school Latin. A study of four selected orations. Translation by assignment and at sight.

Syntactical study, stressing conditional sentences. Analysis of each oration. Roman social and political conditions compared with those of modern times. Daily study of English derivatives. Prose composition based upon text read.

6.—CICERO II; ORATIONS. *Three hours credit.*

Summer Term, and Second Semester.

Careful reading of three orations, including the Poet Archais and the Manilian Law. Daily prose based upon the text. The writing of continuous narrative. Rhetorical analysis of orations. A study of Roman political conditions. The courses in Cicero are recommended to those majoring in European history.

7.—VIRGIL I. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, three years of Latin. Three books of the Æneid. Course designed to secure an appreciation of Virgil's style and delineation of character. Due attention given to classical mythology and metrical reading. Reports and papers on related topics.

8.—VIRGIL II. *Three hours credit.*

Second Semester.

Four books of the Æneid continued from course 7. Selections and summary of the remaining books of the Epic. The author's place in literature. Daily translation and metrical reading. Themes of a research nature. Courses 7 and 8 are recommended also to all who expect to teach high-school English.

9.—CICERO'S DE SENECTUTE, OR DE AMICITIA. *Two hours credit.*

Summer Term, and First Semester.

Prerequisite, courses 6 and 7. Careful translation by assignment and at sight, with daily drill in syntax of modes and tenses; special attention to the classification of subordinate clauses; daily composition based upon the text. Recommended to advanced students of English and to those who continue the study of Latin beyond Virgil. It is suggested that the course in Advanced Composition or Latin Grammar, two hours credit, be taken at the same time. Either essay and half the other will be offered for three hours credit.

10.—LIVY: BOOK XXI, SELECTIONS FROM BOOK XXII. *Three hours credit.*

First Semester.

Translation by assignment and at sight. Syntax of modes, tenses, and subordinate clauses. Daily prose based upon the text. It is recommended that students in Livy enroll also for Advanced Composition or Latin Grammar, two hours.

50.—HORACE: SELECTED ODES AND CARMEN SÆCULARE. *Three hours credit.*

Second Semester.

Translation, analysis, study of Horatian meters. Special topics for reports and papers. It is recommended that the course in Roman private life or the grammar review course be carried in connection with Horace. Required of all who complete a major in the department. Must be preceded by Virgil.

51.—LATIN COMEDY: THE CAPTIVI OF PLAUTUS AND SELECTIONS AND THE PHORMIO OF TERENCE. *Three hours credit.*

Summer Term, and Second Semester.

Should be preceded by course 9 or 10. Atention given to vocabularly, anteclassical forms and constructions, scansion, and idiomatic English in translation. The Roman theater.

52.—ADVANCED LATIN GRAMMAR. *Two hours credit.*

Summer Term, and on sufficient demand.

Open to all students with credit in three years of Latin. Designed first as a course in syntax for high-school teachers. Syntax of dependent clauses, and especial stress upon the subjunctive. Classification of case and mode usages in Cæsar and Cicero. Prose composition. Second, as a study of the latest and most conservative ideas on the principles of the Latin language. Bennett's Syntax of Early Latin; Hale and Buck's Grammar. Required of all students completing a Latin major.

53.—ROMAN PRIVATE LIFE. *Two hours credit.*

Second Semester.

Study of the life, social customs, dress, travel, amusements, and kindred topics from the remains of ancient art and archæology, and in particular from the ruins of Rome and Pompeii. Lectures, library research and reports. Use of pictures, lantern slides and models. Designed to supply supplementary knowledge for high-school Latin and history teaching. No prerequisite.

54.—ADVANCED COURSE IN COMPOSITION. *Two hours credit.*

Second Semester.

Nutting's Advanced Composition, Part I or II, or its equivalent. Practice in writing connected discourse. Intended to accompany course 9 or 10. Required of all who expect to teach Latin.

55.—TACITUS: GERMANIA AND AGRICOLA. *Three hours credit.*

Summer Term, and Second Semester.

Should be preceded by course 9 or 10. Attention given to vocabularly, anteclassical forms and constructions, scansion, and idiomatic English in translation.

56.—TEACHING OF HIGH-SCHOOL LATIN. *Two hours credit.*

Summer Term.

Required of advanced students who expect to teach Latin. Course deals with the educational values of ancient language study and the relation of those languages to the language and life of to-day; with the principles underlying the teaching of Latin; with methods in dealing with specific problems; with topics in Latin teaching; with supplementary material, lantern slides, pictures, songs, playlets and plays, organization and programs for Latin clubs, exhibits, lectures, reports, papers, etc. Student may earn additional two hours credit in observation and practice teaching. (See course 59.)

57.—ADVANCED CÆSAR. *Two or three hours credit.*

Summer Term, and Second Semester.

Prerequisite, courses 52 and 54. Rapid reading from books V-VIII. A critical study of the Gallic campaigns. Library research and critical papers. Intended as a practice course for Latin teachers. Discussion of problems in teaching Cæsar in high school. Translation from books V, VI and VII.

58.—TEACHERS' COURSE IN COMPOSITION. *Two hours credit.*

Summer Term, and First Semester.

Adapted especially to the needs of those preparing to teach high-school Latin. Exercises dealing primarily with the syntax of the second year's work. The writing of continuous prose narrative in original and assigned exercises. The close classification of subjunctives in Cæsar's narratives.

59.—DEMONSTRATION CLASS IN JUNIOR OR SENIOR HIGH SCHOOL.

Summer Term, and Each Semester.

This class will be conducted with grade pupils at the school. Students in the Latin methods class and others of advanced standing in the department may enroll in this course for teaching and observation. The object will be to show the method of conducting a grade class in Latin correlated with the study of English, or to afford an opportunity for practice teaching in a regular high-school class.

60.—CLASSICAL DRAMA. *Two hours credit.*

On sufficient demand.

The study and interpretation of a number of the leading classical plays in English. Open only to advanced students. English courses in Shakespeare's tragedies and contemporary drama should precede or be taken at the same time.

Mathematics.

Professor LINDQUIST.
Associate Professor ELLIS.
Mr. KELLER, Instructor.
Miss HANSEN, Instructor.

1.—ADVANCED ARITHMETIC AND METHODS. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisites, one year each of Algebra and Geometry. Not a review of grade arithmetic, but an advanced course which gives teachers a broader and more comprehensive view of the science and history of number development together with material for classroom use. A historical survey of our system of numbers and measures, and relation of numbers. Fundamental principles, their applications and interrelations. Unification and correlation of subject matter. Graphs. This course applies on requirements for any certificate. Two hours credit may be applied on requirements for a degree. (Lindquist, Keller, Hansen.)

2.—METHODS IN ELEMENTARY ARITHMETIC. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, same as for course 1, and Review Arithmetic. Arithmetical language, relation of numbers, literal arithmetic, oral work, drills securing of interest. Eliminations, additions, and modifications of the course of study. A study of each topic taught in the grades, from the standpoint of position in the course of study, importance, relation to other topics of arithmetic and to other studies, its general application, and best methods of presentation. Not open for credit to students who have had course 1 or 3. Open only to freshmen and sophomores. If taken by juniors and seniors only one hour credit will be given. (Lindquist.)

3.—TEACHING OF COMMERICAL ARITHMETIC. *Two hours credit.*

Summer Term, and First Semester.

Arithmetic from the standpoint of the business man and the commercial teacher. Emphasis will be placed on the most approved forms of business computations used to-day, together with improvements on the same. Drills, short cuts, etc.; a study of the most valuable ones, their applications, best manner of presenting same to class. (Ellis.)

4.—ADVANCED ALGEBRA AND ITS APPLICATIONS. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisites, one year each of Algebra and Geometry. The fundamentals of algebra and the reasons underlying the funda-

mental operations with positive and negative exponents. A review of factoring. Theory of expondents, surds and imaginaries. Theory of quadratic equations in one and in two variables, with applications. Graphs. Ratio, proportion and variation. Series, limits, logarithms, and use of the slide rule. Applications of algebra to physics, mechanics, mensuration and numerous vocations. Only for students who have had but one year of algebra in high school. (Keller.)

5.—SOLID GEOMETRY. *Three hours credit.*

Summer Term, and First Semester.

Prerequisites, one year each of Algebra and Plane Geometry. Straight line in space, the plane, and the more common solids, as parallelopiped, prism, pyramid, cylinder, cone and sphere. Application to problems throughout. (Ellis, Hansen.)

6.—TRIGONOMETRY. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 4 or its equivalent. Plane trigonometry; trigonometric functions, solution of right triangles by use of natural functions, solution of the right and of the oblique triangle by logarithms, radian measurements, trigonometric equations, and numerous applications to practical problems. Right spherical triangles. (Ellis.)

7.—SURVEYING. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 6, or to be taken simultaneously with course 6 which is recommended. A practical supplement to the course in trigonometry, dealing with its most common applications. For this reason it is advisable to have the two taken simultaneously. Sufficient work is done with the transit and level to familiarize the students with the ordinary work of the surveyor. (Ellis.)

8.—COLLEGE ALGEBRA. *Five hours credit.*

Each Semester.

Prerequisite, one year each of Algebra and Geometry. A rapid review of first-year algebra; exponents, surds, imaginaries; theory of quadratics; graphs; ratio, proportion, variation; series; logarithms; determinants; theory of equations; Horner's method of approximations. For students entering with only one year of elementary algebra. (Lindquist, Keller.)

9.—COLLEGE ALGEBRA. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, one and one-half years of high-school algebra or course 4. Rapid review of elementary algebra; graphic representation; logarithms; theory of equations; Horner's method of approximations; determinants. (Lindquist, Keller, Hansen.)

50.—ANALYTICS. *Four hours credit.*

First Semester.

Prerequisite, courses 6 and 8. Coördinates, locus of an equation, equation of locus, straight line; the more common curves, as circle, parabola, etc., and the relations between them. Plane analytics only will be considered. (Lindquist.)

50*s*.—ANALYTICS. *Three hours credit.*

Summer Term only.

Prerequisite, same as for 50. Selected topics from course 50, which will be of most value to students attending during the summer who are unable to take course 50 through the year.

51-52.—CALCULUS. *Seven hours credit.*

Through the year; three hours First, and four hours Second Semester.

Summer Term, upon sufficient demand.

Prerequisite, Plane Analytics. Derivatives, maxima and minima of functions, curvature, tracing of simple curves, indeterminate forms, series, the expansion of functions and numerous applications to problems in mechanics and physics. Integration, reductions to standard forms, use of integrating tables, definite integrals, finding of areas, volumes, lengths of curves, numerous applications to problems of physics. Differentiation and integration will be carried on simultaneously so as to bring out the connection between them more clearly. (Lindquist.)

51*s*.—CALCULUS. *Three hours credit.*

Upon sufficient demand.

Prerequisite, Plane Analytics. (Lindquist.)

53.—TEACHING OF HIGH-SCHOOL MATHEMATICS. *Two hours credit.*

Summer Term, and First Semester.

Prerequisite, course 6. A critical historical survey of recent and present-day movements in the teaching of secondary mathematics, correlation of subjects, creation of interest, tests and examinations, definitions and axioms. Consideration of the topics of algebra, geometry and elementary trigonometry from the standpoints of presentation, placing of emphasis, difficulties and their remedies, making of problems and the collection of data for the same, historical points of reference connected with each. Observation of practice teaching in the Training High School. (Lindquist.)

54.—ASTRONOMY. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisite, Plane Geometry. The usual work of descriptive astronomy will constitute the course. (Ellis.)

55.—HISTORY OF MATHEMATICS. *Two hours credit.*

Upon sufficient demand.

Summer Term, and Second Semester.

Prerequisite, courses 6 and 8.

56.—SOLID ANALYTIC GEOMETRY. *Two hours credit.*

Second Semester.

Prerequisite, course 50 or 50*s*. The course will include a treatment of geometry of space from the analytic standpoint, similar to that of plane analytic geometry.

57.—DIFFERENTIAL EQUATIONS. *Three hours credit.*

Upon sufficient demand.

Prerequisite, course 52. Ordinary differential equation will be studied in which much attention will be given to applications. The great advantage of the differential equation as a mathematical instrument will be brought out. (Lindquist.)

58.—HIGHER ALGEBRA. *Two hours credit.*

Second Semester.

Prerequisite, Analytic Geometry. Number field, number systems; complex numbers; limits; series; cubic and quadratic equations; theory of equations; infinite products; Taylor's theorem; multiple roots. (Lindquist, Keller.)

Modern Languages.

Professor DUDLEY.
Associate Professor BROOKOVER.
Miss STADLER, Instructor.

The equipment of the Department of Modern Languages consists of about five hundred department books in the library, including a fairly complete list of reference books, a complete set of two hundred twenty volumes of the Deutsche National-Litterateur and a set of the Allgemeine Deutsche Biographie; one philological, one pedagogic, two literary periodicals, a weekly German newspaper, and one French periodical; a wall map of France, two physical maps and one political map of Germany; a wall map for Schiller's Wilhelm Tell; a set of eight Hölzel and Holz pictures for use in free composition and in methods: a spectroscope and several hundred post cards of various parts of Germany and France, and illustrating various phases of life in those countries; an increasing collection of framed prints and photographs, including those of statesmen and writers; Kürschner's Das ist des Deutschen Vaterland; Könnecke's Bilderatlas zur Geschichte der Deutschen National-Litterateur; La France, a finely illustrated geographical description of France in two volumes.

MAJOR AND MINOR IN GERMAN. At the discretion of the Faculty of the department, twenty hours of college German may constitute a major for students offering three or four units of credit in high-school German. Not less than twenty-five hours of college German constitutes a major for students offering two units of credit in high-school German. Not less than thirty hours of college German constitutes a major for students offering no entrance credit in German.

Unless a student offers one unit of entrance credit in German he may be required by the Faculty of the department to take twenty hours of college German in order to minor in German.

GERMAN.

1.—ELEMENTARY GERMAN. *Five hours credit.*

Summer Term, and Each Semester.

No prerequisite in German. Texts: Gohdes and Buschek's Lern- und Lesebuch, 75 pages. Walter Krause's First German Reader, 30 pages. The course includes a scientific study of pronunciation by the application of the principles of phonetics; also reading, practice in memorizing prose and poetry, reproduction, writing from dictation, and free composition based on one Hölzel and Holz picture. The purpose of the course is to lay foundations for reading, speaking and writing the German by giving as much of a feeling for the language as possible. The work is done partly in German.

(Stadler or Brookover.)

2.—INTERMEDIATE PROSE. *Five hours credit.*

Summer Term, and Each Semester.

Prerequisite, Elementary German 1. or one unit of high-school German. The texts, Gohdes and Buschek's Lernund Lesebuch and Walter Krause's First German Reader, are completed, and one short story, Gerstäcker's Germelshausen, or a comedy, Fulda's Unter vier Augen, or the equivalent, is read. The drill in pronunciation, memo-

rizing, free reproduction of simple German, and writing form dictation begun in Elementary German 1 is continued throughout this course. The work is done partly in German.

(Stadler or Brookover.)

3.—SHORT STORIES. *Five hours credit.*

Summer Term, and Each Semester.

Prerequisite, courses 1 and 2, or two units of high-school German. The purpose of this course is (1) to give the students practice in reading interesting prose of intermediate difficulty, (2) to review nouns, pronouns, and adjectives, and (3) to give practice in writing German by means of exercises based on the texts read. About 140 pages are read from the following texts or their equivalent: Storm's Immensee, Wildenbruch's das edle Blut, or Baumbach's der Schwiegersohn, and Keller's das Fäbnlein der sieben Aufrechten. The work is done partly in German. (Stadler.)

4.—INTRODUCTORY CLASSICS. *Five hours credit.*

Summer Term, and Each Semester.

Prerequisites, courses 1, 2 and 3, or three units of high-school German. In this course two or three selections are made from the following texts: Schiller's Wilhelm Tell, die Jungfrau von Orleans, Maria Stuart, Lyrics und Ballads, Lessing's Minna von Barnhelm, Goethe's Hermann und Dorothea. In addition to the texts read, verbs are reviewed thoroughly, and one day in the week is devoted to prose composition. The work is done partly in German.

(Brookover.)

5.—INTERMEDIATE PROSE COMPOSITION. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, course 4, or its equivalent. The texts used are Thomas's A Practical German Grammar and Pope's Writing and Speaking German. In connection with the composition exercises in Pope, the principles of the grammar are reviewed by the use of the Thomas Grammar.

6.—ORAL COMPOSITION. *Two hours credit.*

Second Semester.

Prerequisite, course 4. Text, Boezinger's Mündliche und schriftliche übungen. In addition to the text the students are required to commit to memory and give publicly a short German comedy. No written work is required, and the work is done in German except the stage drill in connection with the comedy.

8.—GOETHE. *Three hours credit.*

First or Second Semester.

Prerequisite, course 5. The course consists of the study of Goethe's life, with such attention to literary and social conditions of his time in Germany as is necessary to an understanding of the author and his works. Two of his dramas, such as Egmont and Iphigenie auf Tauris, are read, also selections from his lyrics, or from Dichtung and Wahrheit. Students are required to write a term theme on some phase of the work. (Dudley.)

9.—LESSING. *Three hours credit.*

Summer Term, and First or Second Semester.

Prerequisite, course 5. The same general method is pursued as in course 8. In connection with the works read, lectures are given by the instructor on the drama in Germany before Lessing, and also on Lessing's work as a critic. (Dudley.)

50.—NINETEENTH CENTURY FICTION. *Three hours credit.*

First Semester.

Prerequisite, courses 5 and 8, or 9 or 10. The aim of this and the following course is to introduce the students to the men and movements which have had a determining influence in the shaping of modern German literature. Kleist, Eichendorff, Keller, Meyer, Fontane, Rosegger, Sudermann are studied in representative works. (Dudley.)

51.—NINETEENTH CENTURY DRAMA. *Three hours credit.*

Second Semester.

Prerequisite, courses 5 and 8, or 9 or 10. Witkowski's German Dramatists of the Nineteenth Century is used in connection with dramas read from Kleist, Grillparzer, Hebbel, Ludwig, Hauptmann, and Sudermann. Much of the work is done in German. (Dudley.)

53.—HISTORY OF GERMAN LITERATURE I. *Two hours credit.*

On sufficient demand.

Prerequisite, course 50, 51 or 52. Texts: Thomas's History of German Literature and his German Anthology. Ten chapters in the History and 280 pages in the Anthology are included in this course, with lectures by the instructor and papers on important phases of the work by members of the class. (Dudley.)

54.—HISTORY OF GERMAN LITERATURE II. *Two hours credit.*

On sufficient demand.

Prerequisite, course 50 or 51. The course begins with the seventeenth century and ends with the close of the nineteenth. The texts begun in course 53 are finished in this course, and in addition to the Anthology selections are read from the principal writers of the nineteenth century. (Dudley.)

55.—PHONETICS. *One hour credit.*

Summer Term, and on sufficient demand.

Open to students by consent of the instructor. The course consists of a careful study of the organs of speech by means of plates, casts, and stereoscopic views; the study of the formation of German speech sounds from the point of view of the organs of speech, and the phenomena of the sounds themselves; the classification of the sounds according to their position and formation; the practical application of the principles studied by means of reading, and the study of sentence stress, or accent. (Dudley.)

FRENCH.

The equipment for the study of French has been included in the description given for the department.

MAJOR AND MINOR IN FRENCH. Owing to the increasing demand for French, another year or more of French will be added to the course next year. A major in French will consist of not less than twenty-one hours of college French; a minor of not less than sixteen, at the discretion of the head of the department. The work in the various courses will be done as much in French as is consistent with giving the necessary content to the courses. A double major of French and Spanish or of French and German may be taken by electing the forty-five hours allowed for credit in the Modern Language group.

1.—ELEMENTARY FRENCH. *Five hours credit.*

Summer Term, and Each Semester.

Texts: Fraser and Squair, Shorter French Course to Lesson XXXIX; Aldrich and Foster's French Reader, 75 pages. The pronunciation is taught carefully in connection with the phonetic transcription of the French words, and there is constant drill in correctly placing and forming the sounds. Dictation, reproduction and writing original sentences in French are a part of the work during the entire semester. No prerequisite in French.

2.—INTERMEDIATE FRENCH. *Five hours credit.*

Each Semester.

Prerequisite, Elementary French, or one unit of high-school French. Fraser and Squair, Shorter French Course, completed; Aldrich and Foster, French Reader, completed. Two short classics, such as Moinaux; Les deux Sourds, and Gervais; Un Cas de Conscience are read. Drill in pronunciation and reading, also the dictation and reproduction, are continued in this course. A few poems are committed to memory.

3.—ADVANCED FRENCH I. *Five hours credit.*

First Semester.

Prerequisite, Intermediate French or its equivalent. About 250 pages of modern French will be read, selected from the following texts: Sand's La Mare au Diable, Augier's Le Gendre de M. Poirier, Daudet's La Belle Nivernaise, Lamartine's Jeanne d'Arc, Musset's Pierre et Camille, Scribe's Un Verre d'Eau. Dictation and reproduction of passages read in the French will be continued, and a verb review will be given in connection with François: Alternate Exercises for Introductory French Prose Composition, Part I. Phonetic drill is continued.

4.—ADVANCED FRENCH II. *Five hours credit.*

Second Semester.

Prerequisite, course 3 or its equivalent. About 350 pages will be read, selected from the following: France's Le Livre de Mon Ami, Balzac's Eugenie Grandet, Gautier's Jettatura, Hugo's Bug Jargal, Loti's Pecheur d'Islande, Dumas's La Question d'Argent. The work of course 3 will be continued, and François's Prose Composition will be finished.

5.—ORAL FRENCH. *Three hours credit.*

Summer Term, and Second Semester.

Prerequisite, French IV or its equivalent. This course is designed especially for students preparing to be teachers and is conducted in French. Based on texts dealing with common things and with everyday life, it aims to build up a practical vocabulary. The work in the texts is supplemented by dictation, and simple oral themes on assigned topics are required from each member of the class each week.

50.—EARLIER FRENCH DRAMATISTS. *Three hours credit.*

On sufficient demand.

Prerequisite, French 4 or its equivalent. Works of Molière, Corneille and Racine are read and their structure studied, and the members of the class are required to do collateral reading and make reports on themes which give them the social and historical setting for the plays read.

51.—HISTORY OF FRENCH LITERATURE. *Three hours credit.*

On sufficient demand.

Prerequisite, French 6. The course is based on Fortier's Histoire de la Litterature Francaise. Reports and themes based on collateral reading form a part of the work each week.

52.—THE TEACHING OF HIGH-SCHOOL FRENCH. *Two or four hours credit.*

On sufficient demand.

Open by permission of the instructor. The state text in French grammar is reviewed and discussed and texts recommended by the State Committee are read outside of class and reports made on them. The formation of French sounds is studied in connection with the phonetic script. Reports are made on the aims and methods of teaching high-school French based on collateral reading, and a course in high-school French is outlined. A bibliography of reference books concerning France and the French language is given by the instructor. If four hours credit is given the student is required to observe and teach, as the instructor requires, a beginning class in high-school French, and to work out lesson plans.

SPANISH.

1.—ELEMENTARY SPANISH. *Five hours credit.*

Summer Term, and Each Semester.

Conversation, composition, grammar, and easy readings. Texts: Hall's All Spanish Method and De Vitis' Spanish Grammar.

2.—INTERMEDIATE SPANISH. *Five hours credit.*

First Semester.

Prerequisite, course 1. Grammar, conversation, reading, and composition. Texts: De Vitis' Spanish Grammar and Spanish Reader.

3.—MODERN SPANISH LITERATURE. *Three hours credit.*

First Semester.

Prerequisite, course 2. One hundred and fifty pages of fiction and drama are read; selections being made from the following authors: Alarcón, Becquer, Pereda, Valera, Palacio, and Valdés.

4.—SPANISH COMPOSITION. *Two hours credit.*

Each Semester.

Prerequisite, course 3; may be accompanied by course 5. Training in writing and speaking Spanish. Texts: Ramsey's Textbook of Modern Spanish, and Espinosa's Advanced Spanish Composition and Conversation.

5.—ADVANCED SPANISH LITERATURE. *Three hours credit.*

Prerequisite, course 3; may be accompanied by course 4. In this course 250 pages of prose and poetry are read from writers of the eighteenth and nineteenth centuries.

50.—TEACHING OF HIGH-SCHOOL SPANISH. *Two hours credit.*

Summer Term, and First Semester.

Students admitted at discretion of Modern Language Department. This course consists of the study of the latest methods in teaching of modern languages; of the organization of a course of study based on the textbooks recommended by the state; of reports on the manners and customs of people living in Spanish-speaking countries; and of as much drill in conversation and grammar as the time of the course will allow.

Music.

FRANK A. BEACH, Director Normal School of Music, Professor of Voice, Theory and Public-school Music.
ADA BAUM, Piano, and Music Appreciation.
ROSALIE BRIGHAM, Piano and Voice, High-school Students.
GERTRUDE GAMBLE, Public-school Music, Theory.
MARCELLUS C. GRADY, Wind Instruments and Band.
EVALINE M. HARTLEY, Voice Training, History of Music.
GLADYS HAWKINS, Piano and Intermediate Methods in Piano.
GEORGE KEENAN, Stringed Instruments and Orchestra.
HARRY R. MURRISON, Voice.
HARRIET PRUTSMAN, Piano Accompanying and Theory.
E. ANNA STONE, Piano for Children, Juvenile Methods.
CATHERINE STROUSE, Supervisor in Training School; Methods.

PUBLIC-SCHOOL MUSIC.

The demand for supervisors of public-school music in its various phases who are also thoroughly equipped along academic lines has led to the organization of a four years' college course which will have music for its major. Upon its completion graduates may teach, in addition to high-school music, any other high-school subject for which they are prepared. For this course the state will grant the degree of Bachelor of Science in Music.

In addition to the academic work deemed essential for a proper general equipment, there is offered for teachers and supervisors of music specific training in sight singing, ensemble practice, elementary harmony and ear training; courses in the appreciation of music, both for the development of the individual and for teaching purposes; definite experience in the planning of outlines for the various grades and high school, as a part of the course in public-school music methods; instruction in individual voice production and singing, as well as in the care and development of children's voices; actual practice in conducting chorus and orchestra and practice teaching of classes of children in the Training School and in the High School under the criticism of a supervisor of wide preparation and experience.

Courses are offered in voice, piano, pipe organ, violin, stringed and wind instruments, including theory and history of music, music appreciation, musical analysis, methods, and practice teaching.

Students who wish to complete any of the above-named branches may receive a general academic equipment, a thorough preparation for the profession of teaching, specific training in music, and proficiency in public performance. Those students who can spend only a part of their time in the study of music may take up special work suited to their needs and attainments, thereby increasing their efficiency as teachers in the public schools.

The work of the year is interspersed with public recitals and concerts given by pupils and members of the teaching staff. A number of organizations are also maintained by the department. Two orchestras, a band, men's and women's glee clubs, the Treble Clef Club, and the Musical Art Society are organizations free to students who can derive benefit therefrom. The Choral Union—the all-school chorus for which credit is allowed to non-music students—affords opportunity for study of the oratorios and large secular compositions. (See course 14.)

Credit is allowed for all work satisfactorily completed in class recitation, as stated after each course. Students enrolling in individual instruction—piano, voice, or violin—will be granted credit applicable as an elective toward any certificate and upon the degree Bachelor of Science in Music, on the basis of one hour of credit for eighteen lessons with the necessary preparation for each lesson.

SPECIAL LESSONS IN PLAYING AND SINGING.

These have for their object attainment of practical ability without emphasis on technical skill. This work is open to students after a conference with the Director. It carries no credit and requires but a limited amount of preparation.

CLASS LESSONS.

Class instruction in voice, piano and violin, carrying no credit, is open without fee to students of elementary grade who have not been enrolled in private study in schools of music.

Several courses, which are both cultural and practical, are offered to prepare the prospective teacher and principal to mold the taste of his school and community along musical lines.

All certificates and diplomas issued in music will be found listed on page 55.

Courses 1, 2, 3, 9, 14, 16, 17, 18, 26 and 27 apply as elective on any certificate and the degree Bachelor of Science in Music. They do not apply on the degree Bachelor of Science in Education.

1.—ELEMENTARY SIGHT SINGING. *Two hours credit.*

Each Semester.

Deals with the elements of music, rote singing, the facts of time and tune, with their staff representation, leading to the reading of one-part music.

2.—INTERMEDIATE SIGHT SINGING. *Two hours credit.*

Second Semester.

This course is designed to succeed 1.

3.—ADVANCE SIGHT SINGING. *Two hours credit.*

Second Semester.

Sight reading in three and four parts.

4.—KINDERGARTEN AND PRIMARY MUSIC INSTRUCTION. *Two hours credit.*

Summer Term, and Each Semester.

First semester for music students only; second semester for special proficiency candidates only.

Students electing music for the Certificate for Special Proficiency in Kindergarten or Primary Teaching should take this course together with Public-school Music 1, or piano.

Open only to Freshmen and Sophomores. If taken by Juniors or Seniors only one-half credit will be given.

5.—GRADE AND JUNIOR HIGH-SCHOOL MUSIC INSTRUCTION. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 2, or equivalent. An outline of the work of the various grades, choice and use of material, voices and interpretation. Students electing music for the Certificate of Special

Proficiency in Intermediate and Grammar Grade Teaching should take this course.

Open only to Freshmen and Sophomores. If taken by Juniors or Seniors only one-half credit will be given.

6.—HIGH-SCHOOL MUSIC INSTRUCTION. *Two hours credit.*

This course deals with the methods of presenting the subjects as regularly taught in a high school offering music as an accredited subject. They are as follows: Notation, Melody Writing, Elementary Harmony and part Writing, Advanced Harmony, Music History and Appreciation, and Chorus Conducting.

8.—RURAL-SCHOOL TEACHERS' COURSE. *Three hours credit.*

Summer Term, and Each Semester.

This course deals with the subject matter and methods of public-school music for ungraded and small schools in third-class cities. Drill in rhythm, intervals and individual singing are included. Students electing music for Certificate for Special Proficiency in Rural-school Teaching should take this course.

9.—COMMUNITY MUSIC AND CHORUS CONDUCTING I. *One hour credit.*

This includes the problems of classifying voices, effective arrangement of parts, selection of material, correct use of baton, and the securing of variation in tempo and dynamics.

9*a*.—ORCHESTRA STUDY AND CONDUCTING II. *One hour credit.*

A study of the instruments of the orchestra; the possibilities of the high-school orchestra; bibliography of material and practical conducting.

10.—MUSIC MATERIAL I, including CHORUS SINGING I AND CONDUCTING. *One hour credit.*

Each Semester.

A course dealing with the selections and use of sacred and secular music of the various vocal types and bibliography of scores, and a critical analysis of musical content. Required of all music students and members of music organizations.

10*a*.—MUSICAL MATERIAL II, including CHORUS SINGING AND CONDUCTING. *One hour credit.*

Credit is allowed nonmusic students only.

11.—MUSIC APPRECIATION FOR BEGINNERS. *One hour credit.*

Open to nonmusic students or those who are not specializing in music. The purpose of the class is to acquaint students with standard vocal and instrumental compositions and enable them to listen with discrimination. Students are afforded opportunity for laboratory study of phonograph records and pianola rolls. Current musical events.

12.—MUSIC HISTORY AND APPRECIATION I. *Two hours credit.*

Summer Term, and First Semester.

Designed for prospective teachers and supervisors. The course deals with the development of music, and is based upon a standard text, illustrated by records and rolls for the mechanical players and special numbers furnished by students and faculty.

13.—MUSIC HISTORY AND APPRECIATION II. *Two hours credit.*

Second Semester.

Prerequisite, Music History and Appreciation I. Continuance of the previous course. As a protection against damage to records a small laboratory fee is required.

14.—TECHNIQUE OF OPERA. *Two hours credit.*

First Semester.

A practical study of the various vocal forms, including chant, anthem, cantata, oratorio, and opera. Open to advanced students or especially qualified underclassmen.

15.—INSTRUMENTAL ENSEMBLE. *One hour credit.*

Practical work in string quartet, orchestra and wind instruments.

16.—INTERMEDIATE SOLFEGGIO. *Two hours credit.*

Prerequisite, Advanced Sight Singing.

17.—ADVANCED SOLFEGGIO. *Two hours credit.*

Drill in advanced and rapid sight reading. Prerequisite, Intermediate Solfeggio.

18.—SOLFEGGIO REVIEW. *No credit.*

Prerequisite, Advanced Solfeggio.

THEORY, HISTORY AND ANALYSIS OF MUSIC.

19.—ELEMENTARY HARMONY I AND EAR TRAINING. *Two hours credit.*

(Prerequisite for Harmony II.) Notation, writing of major and minor scales, intervals, triads and inversions, simple cadences. All applied to keyboard. Ear training and recognition of melodies containing all the common rhythmic types and figures. Various kinds of measure. Hearing intervals, triads and inversions and simple cadences.

20.—HARMONY II. Two hours credit.

Each Semester.

Four-part writing, harmony depending on melody, including use of: primary triads and inversions, dominant seventh chords and inversions, in major and minor keys, close and dispersed harmony. Special emphasis is laid upon ear training and keyboard work.

21.—HARMONY III. *Two hours credit.*

Second Semester.

(Continuation of Harmony II.) Four-part writing, harmony depending on melody; including use of: primary and secondary triads and their inversions. dominant seventh, dominant ninth, leading tone seventh and diminished seventh chords and their inversions in major and minor keys. Close and dispersed harmony. Preparation for modulations.

22.—ADVANCED HARMONY. *Two hours credit.*

Four-part writing, harmony depending on melody. Harmonizing original melodies. Further use of chords already introduced in Harmony I and II, and also secondary seventh chords, altered chords, mixed chords, chromatic passing tones, suspensions, organ point. A thorough study of modulations, including modulation through the diminished seventh chord in its various interpretations, using enharmonic changes. Also through the dominant seventh chords.

24.—HARMONIC ANALYSIS AND FORM. *Two hours credit.*

Analysis of four-part compositions; modulations at the piano. Keyboard demonstration in figured basses, cadences and modulations.

NOTE.—The above work is planned for supervisors' training courses as especially adapted for high-school music methods.

25.—COUNTERPOINT I. *Two hours credit.*

First Semester.

Counterpoint applies the principles of harmony to the melodious treatment of the several voice parts in combination. The study of this subject naturally follows that of harmony and develops the contrapuntal facility necessary to all forms of composition. The work includes strict counterpoint; the various orders of modern counterpoint; double and triple counterpoint.

26.—COUNTERPOINT AND COMPOSITION II. *Two hours credit.*

Second Semester.

Counterpoint in five or more parts; vocal counterpoint analysis; exercises in free composition.

27.—HISTORY OF MUSIC I. *Two hours credit.*

First Semester.

The course includes the growth of music from ancient to modern times; the history of early church music; the development of musical forms, sacred and secular, and instruments; and the polyphonic era. Required of students in applied music.

28.—HISTORY OF MUSIC II. *Two hours credit.*

Second Semester.

Modern music and musicians; biographies and the works of the great composers of the classic, romantic and modern schools. The history of the opera, oratorio, symphony, and various other forms are studied in detail.

29.—NORMAL PIANO METHODS I. *No credit.*

Second Semester.

A special course for students preparing themselves as teachers. The work embraces lectures on methods and materials for teaching beginners; papers and discussion by students. Practice teaching.

30.—NORMAL PIANO METHODS II. *No credit.*

A continuation of the preceding course, dealing with methods and material for intermediate students.

31.—VOICE METHODS I. *No credit.*

32.—VOICE METHODS II. *No credit.*

33.—VIOLIN METHODS I. *No credit.*

34.—VIOLIN METHODS II. *No credit.*

35.—ENSEMBLE PLAYING OR SINGING I. *No credit.*

Required throughout the year of piano certificate students without credit.

Time to be assigned by the instructor.

Ensemble playing classes in piano and violin meet regularly for the study of concerted music. Four- and eight-hand music and chamber music for stringed instruments form the basis of the work. This practice enables the pupil to become acquainted with many masterpieces and to receive training in sight reading and accompanying.

Credit for orchestra and band is allowed to students who are regularly enrolled.

36.—ENSEMBLE PLAYING OR SINGING II. *No credit.*

Required throughout the year of piano certificate students without credit.

Advanced ensemble playing; continuation of course I.

Time to be assigned by the instructor.

PIANO.

It is impossible to set down a list of studies to be strictly adhered to, as the needs of the individual pupil must be consulted and the studies varied accordingly. Moreover, new works are constantly being published. These are carefully examined and those of value are used in the course. However, an idea of the work covered in the different years may be obtained from the following:

ELEMENTARY GRADES.

Lambert Pianoforte Method, Lebert and Stark Book One, Crosby-Adams, Burgmüller Op. 100, Loeschhorn, Stamaty, Lemoine, Whiting pedal studies, Bertini, Heller, Preyer Op. 44; sonatinas by Clementi, Kuhlau, Dussek. Major, minor and chromatic scales. Chords of key, and inversions.

NOTE.—The above corresponds to grades one to six of standard course adopted by the Kansas State Music Teachers' Association.

Students who bring satisfactory statement from previous instructors for the above will be admitted to the intermediate course.

FIRST YEAR, INTERMEDIATE.

Technical exercises, scales, arpeggios, octaves. Studies by Arthur Foote, Heller fifty selected studies, Bertini selected studies, Behrens school of velocity. Sight playing.

SECOND YEAR, ADVANCED.

Czerny Op. 299, Kullak octave studies. Heller Op. 16, Loeschhorn Op. 67. Continued study of scales, chords, arpeggios. Easier sonatas by Haydn and Mozart. Ensemble playing.

THIRD YEAR, CERTIFICATE COURSE.

Cramer, Henselt, Bach, Heinze Album, Back two- and three-voiced inventions. Sonatas by Mozart, Beethoven and Grieg. Selections from Chopin, Schumann, Moszkowski, MacDowell.

DIPLOMA COURSE.

Czerny Op. 740, Moscheles Studies continued, Study of Bach and Beethoven. Selections from Liszt, Chopin, De Bussy and Brahms. Concerto study.

VOICE.

In no field of music teaching is there greater need for a definiteness which will enable a student to recognize the reasons for and the value of the instructions given than in the field of singing.

In the treatment of voices particular stress is laid upon a proper breath control; independent free action of the jaw, tongue and other vocal organs; the elimination of the so-called breaks in the voice; the development of self-confidence through the establishment of a proper level in tone production (as opposed to the customary notion of mental and vocal adjustment of "high" and "low" tones); the establishment of distinct enunciation, and the development of artistic and individual power of interpretation. In brief, the aim of the instruction given is to secure ease in singing, naturalness in enunciation, and intelligent expression.

The course of instruction has a psychological basis, and a student is enabled to overcome incorrect habits through conscious repetition of specially adapted exercises. The mode of procedure is positive, rather than negative. Having in mind that many of our graduates will be charged with the care of the voices of children and adults, the instructors in the department aim to give the student an understanding of his progress without inducing self-consciousness, and at the close of the period of study a careful analysis of the ground that has been covered.

Contrary to the commonly accepted idea, not a few but the majority may cultivate the art of singing. Persons of average ability with wisely directed training are more likely to make practical use of their gift than those favored with unusual voices but who ignore the value of the proper care and training.

An important phase of this individual work deals with the correction of certain vocal defects, and with training which will secure quality and carrying power in the speaking voice through the employment of the high-chest, intercostal breathing of singers, proper voice emission and distinct enunciation.

PREPARATORY GRADE.

Fundamental principles of voice building; correct poise with proper breathing; blended scale; diction; stage deportment; sight reading and simple songs in English; Sieber 8-measure Vocalises, Marchesi Opus 2. Beginning piano.

INTERMEDIATE GRADE.

Studies for enunciation, rhythm and phrasing; acoustics; sight reading and diction. Exercises for attack, legato and staccato; solfeggio and ensemble practice; vocalises by Concone, Panofka, Lütgen and Shakespeare; ballads and songs by present-day composers in English. Public appearance; piano.

CERTIFICATE GRADE.

Vocalises by Marchesi, Op. 3; studies by Panofka, Op. 8; Vaccai; Henneman 101 Master Exercises; shade and tone color; continued studies in enunciation; artistic interpretation; selections from the works of American, English, German or Italian writers in the vernacular; joint recital with one other student of equal grade. Accompanying.

DIPLOMA GRADE.

Advanced work in technical studies for phrasing; development of natural style and cultivation of dramatic expression; enunciation; at least four complete major oratorios; six selections from the standard operas in the vernacular; twenty English, French and German classics in the vernacular; practical work in musical pedagogy; full public recital; advanced accompaniments.

VIOLIN.

ELEMENTARY GRADE.

Careful study in holding the violin, position of the body, placing of fingers in different keys; fundamental principles of bowing. Schools and studies by Wohlfahrt, Hermann, Blumenstengel, Laoureux, de Beriot,

Dancla, Kayser, and Wilhelmj-Brown. Violin duets by Mazas and Pleyel. Scale studies in all keys, varied fingering and simple bowing; arpeggio forms in first and third positions; small classical solos with piano accompaniments. Class in sight reading.

INTERMEDIATE GRADE.

(Outlined for high-school pupils and adult beginners.)

Scales and arpeggi in three octaves by Ysaye and Cesar Thomson. Studies by Kayser, Schradieck, Kreutzer and Siorello. Sonatas by Corelli, Handel, and Beethoven. Concertos and soli: Beethoven; Two Romances, Vieuxtemps; Morceaux de Salon, Wieniawski; mazurkas and concertos by Viotti, Mozart, Kreutzer, Rode, and de Beriot. Orchestral class.

CERTIFICATE GRADE.

Advanced scale work in thirds, sixths and octaves by Cesar Thomson. (These scales are not in print, but are given from manuscript.) Advanced studies by Kreutzer, Fiorello, Rode, Gavinies, and Wieniawski. Bach sonatas for violin alone. Concertos by Mendelssohn, Bruch, Beethoven, Bach (E major), Wieniawski (D minor), Soli by Wieniawski (Polonaises in A and D, Souvenir de Moscow), Scherzo-tarentelle, Sarasate and Saint-Saëns. Sonatas by Beethoven, Cesar Franck, Grieg and Brahms.

DIPLOMA GRADE.

Scales and arpeggi in three octaves. Studies by Rode and Gavinies. Concertos and solos; Spohr, Bach, Viotti (22d), Kreutzer (19th), Rode (10th), de Beriot (7th); Solos by Hubay. Orchestral and ensemble classes.

BRASS INSTRUMENTS.

Excellent opportunity, under a trained instructor, is offered to students who wish to learn to play brass instruments and instruments of the wood-wind group. Students who have played instruments of any sort should not fail to bring these with them, even though they have no expectation of studying. The orchestra and Normal band offer opportunities for both pleasure and service to all musical students, whether enrolled in the School of Music or the Normal proper.

FEES AND REGULATIONS.

The fees for instruction have been placed at the lowest limit of actual cost for the quality of instruction offered.

RATES OF TUITION.

For a term of eighteen lessons the fees are:

PIANO.

Juvenile course (for children)	$9.00
Advanced juvenile (for children)	10.50
Beginning grade (for high-school pupils)	10.50
Class work in piano	4.50
With student assistant	9.00
Preparatory grade (adult beginners)	13.50
Intermediate grade	15.00

Certificate grade	$18.00
Diploma grade	18.00
For public-school music students	18.00
Postgraduate work	24.00
Accompanying	18.00

VOICE.

Preparatory grade	$13.50
Intermediate grade	15.00
Advanced grades	18.00
With student assistant	9.00
For public-school music students	18.00
Special training for the speaking voice	18.00
Postgraduate	24.00

VIOLIN AND STRINGED AND WIND INSTRUMENTS.

Juvenile course (in class or with assistants)	$9.00
Preparatory grade	13.50
Intermediate grade	15.00
Advanced grades	18.00
Postgraduate	24.00

THEORY AND HISTORY OF MUSIC.

Counterpoint, and composition in class	$5.00
Private lessons in any of the above courses	10.00
Normal piano methods	5.00
Special methods (not otherwise listed)	25.00

For a half term of lessons, or one lesson per week, the rate is one-half the tuition for a term plus one dollar.

COACHING.

Sight singing and ear training (with student assistant), per lesson	$0.25
Harmony and counterpoint (with student assistant), per lesson	.33

RENT OF INSTRUMENTS.

One hour a day, for a term of nine weeks. Two or more hours at the same rate:

Piano	$1.65

Piano students enrolled for a year's work are not charged for practice pianos.

The Public-school Music Classes are free to any student regularly enrolled.

Lessons in piano, voice and violin are theoretically half-hour periods; where necessary for the passing to and from the classes the actual time may be twenty-five minutes.

A limited number of free and partial scholorships, it is expected, will be available for talented students who are unable to pay regular rates. These will be granted at the beginning of the year upon written application and examination.

All tuition is payable strictly in advance, at the beginning of each term. Work in this department is suspended on legal and school holidays, as given in the calendar of this catalogue. Students may enter at any time. It is best to enroll at the beginning of a term. All lessons lost by absence or tardiness of the pupil will be the pupil's loss, unless reasonable previous notice of the expected absence is given, in which case the

lesson will be made up within the term only. Students must complete a full term of lessons or class work in order to receive a grade for the work. Students leaving or discontinuing lessons during the term time forfeit all payments, except in case of protracted illness, in which case the balance will be allowed upon a subsequent term, or half the loss will be borne by the department. All students who wish to take up work in this department must receive an assignment card from the director of music. This card must be stamped by the registrar and bursar, presented to the instructor for signature, and returned to the office of the Director of the department.

Substitution for certain subjects will be allowed upon application to the Director in cases where it is plainly evident that the students' efficiency will be increased by such change.

CREDIT.

Credit is allowed in applied music for work done in known institutions or under private teachers, after registration and satisfactory progress has been made in the subject in which credit is desired.

Students registered in the department are permitted to sing or play in public only upon recommendation from the instructor and permission from the office. Teachers will coöperate in preparing for public performance all students who will be a credit to themselves and to the school.

TEACHER'S CERTIFICATE CURRICULUM IN APPLIED MUSIC.

(PIANO, VOICE, VIOLIN.)

Prerequisite, intermediate and advanced work in major subject (including Elementary Harmony I and II for piano students).

THIRD YEAR.

FIRST SEMESTER.	SECOND SEMESTER.
Applied Music, 2 hours.	Applied Music, 2 hours.
Harmony III, 2 hours.	History of Music II, 2 hours.
History of Music I, 2 hours.	Normal Methods II (in major subject, including 2 hours of practice teaching), 2 hours.
Normal Methods in major subject (including 2 hours practice teaching), 1 hour.	Individual Recital.

DIPLOMA CURRICULUM IN APPLIED MUSIC.

Prerequisite, certificate requirements, as outlined above.

FOURTH YEAR.

FIRST SEMESTER.	SECOND SEMESTER.
Applied Music, 2 hours.	Applied Music, 2 hours.
Counterpoint and Composition I, 2 hours.	Counterpoint and Composition II, 2 hours.
Advanced Practice Teaching.	Advanced Practice Teaching.
Ensemble Playing.	Concerto with Orchestra Accompaniment.
Individual Recital.	

All electives in music are to be selected with the approval of the Director of the School of Music.

Candidates for the diploma in piano or violin shall offer fifteen hours of college work, at least ten of which shall be in English.

Candidates for diploma in voice shall offer not less than twenty-five hours college work, of which not less than ten in English and ten in modern foreign languages.

All students enrolled for private study, class work, or in any musical organization are required to attend chorus and rehearsals.

ENTRANCE REQUIREMENTS.

For entrance to all curricula candidate shall furnish proof that he is a graduate of an accredited high school in Kansas; if he be from another state, that he is a graduate of a high school accredited in the state from which he comes.

For entrance to any vocal curriculum leading to a degree or a diploma the candidate for admission shall furnish proof that he has completed grades one and two of the high-school vocal course of study, and grades one and two of the high-school piano course of study (or their equivalents) as outlined by the Kansas State Music Teachers' Association.

For entrance to any violin curriculum leading to a degree or a diploma, the candidate for admission shall furnish proof that he has completed grades one to six, inclusive, of the high-school violin course or its equivalent as outlined by the Kansas State Music Teachers' Association.

For entrance to any piano or organ curriculum leading to a degree or a diploma, the candidate for admission shall furnish proof that he has completed grades one to six, inclusive, of the high-school piano course of study (or its equivalent) as outlined by the Kansas State Music Teachers' Association.

Requirements in music for entrance to any curriculum leading to a certificate shall be the same as those curriculum leading to a degree or a diploma.

Students who enter without the full requirements as scheduled above will be required to complete such work in the elementary courses offered in the high school.

CERTIFICATES AND DIPLOMAS.

A certificate to teach music in the elementary and high schools of Kansas, and the degree of Bachelor of Science in Music are given. For requirements see pages 46 and 47.

All applicants for any of these certificates or diplomas should select courses with the Faculty Adviser for music courses, the Director of the School of Music.

General Pedagogy Group.

Professor TRIPLETT.
Professor LULL.
Professor MONROE.
Professor CULTER.
Professor CAROTHERS.
Professor HARRIS.
Professor ALDER.
Associate Professor DE VOSS.

PEDAGOGY SEMINAR. *One hour credit.*

Summer Term, and Each Semester.

The class will meet for a double recitation period once in two weeks. A course in research for advanced students, conducted by all the instructors giving work in general pedagogy. Problems in educational and clinical psychology, school administration, city and rural, history and principles of education, are studied. To be taken only on consultation with the men in the department. This course is the outgrowth of what has been known as "The Psychology Club."

PSYCHOLOGY AND PHILOSOPHY.

Professor TRIPLETT.
Associate Professor DE VOSS.

PSYCHOLOGY.

1.—GENERAL PSYCHOLOGY. *Three hours credit.*

Summer Term, and Each Semester.

A systematic treatment is given with some attempt at pedagogical application. Some experimental work in the line of illustration, a number of class experiments, and special topics for individual study and report are given. Should be taken in the sophomore year; by permission may be taken in the second semester of freshman year.

2.—CHILD PSYCHOLOGY. *Two hours credit.*

Each Semester.

Course 1 is a prerequisite. Treats generally of the mental development of children, aiming to give a point of view. Seeks to give a knowledge of the nature and needs of the child at the different periods of his growth. Direct observations are made and various investigations studied.

3.—GENETIC PSYCHOLOGY I. *Two hours credit.*

First Semester.

Prerequisite, course 1. In this course a study of the behavior of animals is made, and comparisons drawn with human activity, especially that of children. All psychology is becoming genetic and functional in character, and a proper study of life activities of any kind, and especially those bearing upon education, must take into account this development phase of the subject. Given in alternate years.

4.—ELEMENTARY EDUCATIONAL PSYCHOLOGY. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, high-school psychology. This course is not open to students who have taken General Psychology. The course deals with the psychology of the learning process of school children.

6.—SOCIAL PSYCHOLOGY. *Two hours credit.*

Second Semester.

Prerequisite, course 1. A study of those interests and instinctive tendencies of the mind that are the result of the community life of the race. It is meant to throw light on the nature of society and to give a basis for a more truly social pedagogy. This course may be taken as a part of six additional hours in professional requirements.

50.—PSYCHOLOGY OF RELIGION. *Two hours credit.*

On sufficient demand.

Prerequisite, course 1. A study of the psychological phases of religion, with the aim of improving the quality of religious pedagogy particularly in high school, in Sunday school, and in missionary work. This course may be taken as a part of the six additional hours in professional requirements.

52.—EDUCATIONAL PSYCHOLOGY. *Three hours credit.*

Summer Term, and Second Semester.

Prerequisite, course 1. In this course important topics in psychology are treated in their educational aspects. Many of these—of the utmost value for the teacher—such, for instance, as the learning process, economical methods of memorizing and making associations, the education of the senses, intelligence tests, etc., have little or no

space in the ordinary textbook. Each student also, as a special study, is required to deal with the psychology of some subject in the curriculum, as the psychology of spelling, of reading, of arithmetic, and the like.

53.—PSYCHOLOGY OF ADOLESCENCE. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, course 1. A study of the important physical, mental and moral changes which are natural to adolescence. Given with the aim of laying a foundation for the pedagogy of secondary instruction.

55.—CLINICAL AND ABNORMAL PSYCHOLOGY. *Three hours credit.*

First Semester.

Prerequisite, course 1. A study which includes disturbances and defects of personality. A study of the arrested and the dull, the gifted and the genius. Attention is given also to the psychology of capacities and the Binet measuring scale of intelligence and other mental tests. The various phases of the psychology of tension and catharsis, the methods of psycho-analysis, including the association method, hypnotism, etc., are given some attention.

56.—VOCATIONAL PSYCHOLOGY. *Two hours credit.*

Second Semester.

Prerequisite, course 1. Education has become interested in the task of finding how it may better ascertain and direct the vocational interest of children. This course presents some of the problems and methods of the branch of applied psychology which deals with individual differences in mental constitution and which has given us a beginning in the work of vocational direction.

57.—GENETIC PSYCHOLOGY II. *Two hours credit.*

Second Semester.

Prerequisite, course 1. A study of the behavior of primitive man, tracing his mental, moral, religious, æsthetic, social and industrial development in those aspects which concern the genesis of the subject matter of education. A special reference to the mental life of the child among primitive people.

PHILOSOPHY.

60.—ETHICS. *Two hours credit.*

First Semester.

This course begins with a study of the developmental side of the subject. Attention is then given to the systematic side and practical applications made.

61.—HISTORY OF ANCIENT AND MEDIÆVAL PHILOSOPHY. *Two hours credit.*

First Semester.

This course includes (1) Greek and Roman philosophy, with the emphasis on Plato and Aristotle; (2) a rapid survey of early Christian and scholastic philosophy.

62.—HISTORY OF MODERN PHILOSOPHY. *Two hours credit.*

Second Semester.

Presenting modern philosophy from Descartes to the present.

63.—PHILOSOPHICAL SYSTEMS. *Three hours credit.*

Second Semester.

A systematic study of historical and current systems, such as materialism, realism, the various brands of idealism, etc.

64.—PROBLEMS IN MODERN PHILOSOPHY. *Two hours credit.*

First Semester.

A study of certain tendencies in modern thought, such as absolute idealism, pragmatism, Bergsonism, etc. The content of this course varies with the time of offering it. Timeliness is made the guide.

SCHOOL ADMINISTRATION.

Professor MONROE.
Professor LULL.
Professor CAROTHERS.

1.—GRADED-SCHOOL ADMINISTRATION. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, Methods in Elementary Instruction. May be taken at the same time as Methods in Elementary Instruction, after the student has completed one semester of college work. This course includes reading and reports upon the technique of classroom management.

10*a*.—EDUCATIONAL MEASUREMENTS I. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, Methods in Elementary Instruction. A course for teachers and supervisors in which they study how to make and use educational measurements. Students having had satisfactory teaching experience may secure permission to use this course to meet the requirement for Graded School Administration.

10b.—EDUCATIONAL MEASUREMENTS II. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, Methods in Elementary Instruction. It is intended as a companion course to Educational Measurements I.

50.—HISTORY OF MODERN EDUCATION. *Three hours credit.*

Second Semester.

Beginning with the work of Rousseau and Pestalozzi, the development of our schools, their curriculum and the methods of teaching will be examined in some detail. Special emphasis will be placed upon educational progress in the United States, and the whole account will be brought down to date. Recent and present educational progress will be considered.

51.—THE HISTORY OF ANCIENT EDUCATION. *Three hours credit.*

On sufficient demand.

Open to students who have studied ancient history. This course aims to be of service to students intending to become secondary-school teachers of Greek and Roman history or Latin. Important phases of life of the Greeks and Romans of the several periods are studied, in order to gain a clear conception of the evolution of the educational ideals and practices of these people and the influence of these ideals and practices upon Greek and Roman life.

53.—SUPERVISION OF INSTRUCTION. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisite, Methods in Elementary Instruction and Educational Measurements I. The course is intended for teachers and principals in elementary schools. It deals with scientific management applied to the supervision of the teaching of the common branches.

55.—PRINCIPLES OF EDUCATION. *Three hours credit.*

Each Semester.

Prerequisite, sixty hours of college credit, including Methods in Elementary Instruction or Methods in High-school Instruction. Re-

quired of all degree students. This course is devoted to the consideration of the function of the school as an institution of society, the curriculum, and the principles underlying the administration of the curriculum.

60.—EDUCATIONAL ADMINISTRATION. *Three hours credit.*

Second Semester.

Prerequisite, Principles of Education. This course is designed as a sequel to Principles of Education, and deals with the application of the principles to school subjects. Economy of time in education and the reorganization of the curriculum receive special emphasis.

61.—FUNDAMENTAL PROBLEMS OF ADMINISTRATION. *Three hours credit.*

Summer Term, and Second Semester.

Prerequisite, sixty hours of college credit, or special permission from the instructor. Plans of course: To discover the educational needs, and then to determine as far as possible to what extent the present systems of administration should be reorganized. State and county (or other similar local unit) administration. Local administration, including cities and towns. General administration of instruction, secondary and elementary, with emphasis upon vocational instruction. (Lull.)

62.—HIGH-SCHOOL ADMINISTRATION. *Two hours credit.*

Summer Term, and Each Semester.

Historic sketch of secondary education; growth of secondary education in Kansas; survey of high schools of the state; problems of discipline; athletics; schedule-making; teaching pupils to study; the library; the village type of mind and its bearing on school administration.

This course is for the principals and superintendents of small towns and deals with the school system from the point of view of the village community. (Carothers.)

70.—EDUCATIONAL RESEARCH. *Hours of credit to be arranged.*

Summer Term, and Each Semester.

A course for advanced students. It may be taken by correspondence. Students should consult the instructor before enrolling in this course.

RURAL-SCHOOL ADMINISTRATION.

Professor CULTER.
Mr. SMITH, Instructor.

1.—RURAL-SCHOOL ADMINISTRATION. *Two hours credit.*

Summer Term, and Each Semester.

This course is intended for those who are interested in rural schools or intend to teach in consolidated or small village schools. It consists of a study of the school site and grounds, modern schoolhouses, school hygiene and sanitation, training of teachers, play and playgrounds, the library and its uses, agriculture, consolidation, standardization of rural schools, etc. Emphasis will be placed on conditions as they exist in the country, and how to bring about a closer union of school and home.

2.—METHODS IN RURAL-SCHOOL INSTRUCTION. *Three hours credit.*

Summer Term, and Each Semester.

This course satisfies the former requirement of three hours of general methods and observation. Its aim is to give the student in-

struction in how to teach the common branches of the rural school curriculum. Some of the underlying principles of general methods will be studied, and then their application to specific subjects will be considered. The motivation and socialization of subjects in the country school program and the primary work of the rural school, such as primary reading, number work, seat work and language work, will receive attention.

5.—METHODS IN RURAL-SCHOOL INSTRUCTION AND ADMINISTRATION. *Five hours credit.*

Each Semester.

This course gives instruction in the teaching of the common-school subjects, adapting methods and plans to conditions found in the rural schools. Combined with this course is the course in Rural-School Administration. This course satisfies the life certificate requirements for methods and school administration.

8.—RURAL LIFE PROBLEMS. *Three hours credit.*

Summer Term, and Second Semester.

This course consists of a discussion of the problems of rural life under the general topics of The Rural Problem, Rural Industrial Problems, and Rural Social Problems. We consider the specific problems of isolation, tenancy, roads, movement of farm population, home environments, schools, the church, farm organizations, social life, etc.

10.—COUNTY SUPERVISION. *Two hours credit.*

Upon sufficient demand.

In this course a study is made of certain sections of the Kansas school law, comparing our laws with those of other states. Other subjects considered are office work and the making of official papers, organization and administration of rural schools, maintenance of schools, supervision of rural schools, schoolhouse and grounds, consolidation, etc., using as a text Cubberley's Rural Life and Education and the Twelfth Yearbook of National Society for the Study of Education. This course is offered by correspondence.

50.—STATE AND COUNTY SCHOOL ADMINISTRATION. *Three hours credit.*

Summer Term.

The work of this course will be based on Cubberley's Source Book in the above subject. Division one of this text treats of American Federal and State Policy; division two, of State Administration Organization; division three, of Extent of the Educational System; division four, of Financing the School System; division five, of Material Environment and Equipment; division six, of The State and the Teacher; and division seven, of The Oversight of the State.

As this is a source book, no principles are established nor conclusions drawn. These will be left for the class to formulate. The class work will be conducted in the following manner: One member of the class will be assigned a certain topic, as Training of Teachers. He will study the subject, write his conclusions, and present them to the class. In the meantime the class will have studied the subject, and when the paper is presented the class will be ready to discuss and criticize the conclusions of the one who has made a special study of the subject. In this way each one will make a thorough study of a few topics and get a general view of all the work.

51.—FOREIGN RURAL-SCHOOL SYSTEMS. *Two hours credit.*

Summer Term.

A study of the school systems of Denmark, Switzerland, Germany, France, Great Britain, etc., will be undertaken in this course.

Their suggestions for modifications of our school system will be considered. Later a course in American school systems will be offered. These courses will be of interest to superintendents of counties and small towns.

METHODS AND PRACTICE.

Professor LULL.
Professor CULTER.
Professor MONROE.

1.—METHODS IN ELEMENTARY INSTRUCTION. (Formerly General Methods and Observation.) *Three hours credit.*

Summer Term, and Each Semester.

This is a foundation course for teachers and must be taken as a prerequisite to observation and teaching in the Elementary Training School. It deals with the principles involved in selecting subject matter of instruction which are best adapted for accomplishing the functions of elementary education. (Lull.)

2.—METHODS IN RURAL-SCHOOL INSTRUCTION,. *Three hours credit.*

Summer Term, and Each Semester.

This course satisfies the former requirement of three hours of general methods and observation. Its aim is to give the student instruction in how to teach the common branches of the rural-school curriculum. Some of the underlying principles of general methods will be studied, and then their application to specific subjects will be considered. The motivation and socialization of subjects in the country-school program and the primary work of the rural school, such as primary reading, number work, seat work and language work, will receive attention. (Culter.)

50.—METHODS IN HIGH-SCHOOL INSTRUCTION. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, General Psychology and 40 hours of college credit. A course in general methods applied to high-school subjects. Special attention will be given to the teaching of pupils to study. Beginning September, 1917, this course will be required as a prerequisite for observation and teaching in the Normal Training High School, or for equivalent courses. (Monroe.)

A.—KINDERGARTEN DEPARTMENT.

Professor ALDER.
Miss BINGHAM, Instructor.

The Kindergarten Department offers to accredited high-school graduates and those with equivalent training, two years of college work. Students are encouraged, however, to continue their work through the four years, that they may receive the degree of bachelor of science (in education), and more thoroughly equip themselves as teachers. The department aims to give a thorough and practical training to those who desire to fit themselves to become kindergarten directors. It also offers helpful courses to students specializing in primary work. The department includes, besides the training class, a well-equipped kindergarten. Here the students are given ample opportunity for observation and practice in teaching. Each year brings an increased demand for well-trained kindergartens in Kansas, as each year sees new kindergartens added to our city school systems.

1.—PRACTICE TEACHING IN KINDERGARTEN I. *Four hours credit.*

Each Semester.

Prerequisite, Methods in Instruction, Kindergarten Technics,

Handwork, Plays and Games. Students spend two and one-half hours daily observing and teaching in the kindergarten under supervision. They prepare lesson plans and attend conferences.

2.—PRACTICE TEACHING IN KINDERGARTEN II. *Four hours credit.*

Summer Term, and Each Semester.

A continuation of course 1. Students teach and observe in the kindergarten two and one-half hours daily under supervision, prepare written plans and attend conferences. Each student is responsible for a group of children, and is called upon to take charge of the kindergarten at stated times.

3.—KINDERGARTEN TECHNICS. *Three hours credit.*

First Semester.

A study of the activities of young children. An analysis of the common play materials of children as a basis of determining the principles governing the selection and use of materials in the kindergarten. The Froebelian gifts; the principles on which they were planned. Modern adaptations and modifications of these. Practice in the manipulation of materials. A study of methods in the use of materials.

4.—HANDWORK FOR THE KINDERGARTEN AND PRIMARY GRADES. *Three hours credit.*

Second Semester.

A study of the principles and methods which give educative value to handwork for young children. The aim is to discuss and use practically materials in which may be found the beginnings of art and of industry, and also materials which meet the constructive instinct as it functions in the play life of the child.

5.—PLAYS AND GAMES. *Two hours credit.*

Summer Term, and Each Semester.

A study of the different periods in a child's development, the instincts, impulses and natural play activities of each period. The significance of play as a factor in education; its relation to work. A study of different types of games. Selection and adaptation of games for kindergarten and primary use. The actual playing of games.

6.—KINDERGARTEN THEORY. *Three hours credit.*

First Semester.

This course aims to give an insight into child nature and its needs as a basis for kindergarten procedure. The work is carried on by means of observation of children in kindergarten and home, by the study of Froebel's "Mother Plays" and of more modern child-study literature. A comparison is made between the kindergarten procedure as developed by Froebel and that of to-day, reconstructed in the light of modern genetic psychology and child study.

7.—KINDERGARTEN PROGRAM. *Three hours credit.*

Second Semester.

Prerequisites, Kindergarten Technics, Handwork, Plays and Games and Kindergarten Theory. The study of kindergarten activities and materials leading to the organization of a kindergarten program. The principles controlling such an organization. Each student will be required to write in outline a year's plan of work for a kindergarten, and will also plan the equipment for a kindergarten.

8.—WEEKLY CONFERENCE. *No credit.*

One hour each week thoughout the kindergarten course of study. Required of all kindergarten students. A study of the kindergarten program as it is carried out from week to week in the Normal School kindergarten, with a discussion of subject matter, materials and methods, and a study of individual children. This course forms the class conference for those doing observation and practice teaching in the kindergarten.

B.—PRIMARY DEPARTMENT.

Professor HARRIS.
Miss GRAVES, Assistant.
Miss GRANT, Assistant.
Miss GEORGE, Assistant.

2.—PRIMARY METHODS. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisite, Methods in Elementary Instruction, or Rural-school Instruction. The purpose of this course is to offer in lecture form a critical study of methods of presenting the principal subjects of instruction in the lower grades and to stress habits of work. This work is more extended and definite on the various subjects than is possible in the limited time available in connection with the academic and advanced treatment of the same. The teacher will be led to test methods and to govern their application by the laws of the mind. After each subject is completed illustrated lessons will be given with the pupils of the first three grades of the Training School.

(1) *Primary Methods*—Meaning and purpose.

(2) *Reading*—A study of methods, past and present. The teacher's problems in connection with "beginning reading" without text. The teacher's problems when using the text. Thought work, including expression, dramatic work, etc. Mechanics, melodic phonics, word study, drills, etc. Lists of the best readers.

(3) *Nature Study and Language*—Selecting the material for nature study. How used as a foundation for the language work. The purpose of language in the lower grades. The use of the picture, poem and story, and how correlate with the nature work. Mechanics of language.

(4) *Primary Numbers*—A study of methods, past and present. The teacher's guide in selecting and presenting material. What shall we teach? How? Means of presenting new ideas through use of objects, construction work, etc. Drills—purpose of. Formal drills, devices, games, etc.

(5) *Geography*—Its place in the primary course. Life work and map work throughout the lower grades. Home or local geography. Outdoor and field lessons, excursions to shops, etc. The use of sand modeling, posters, stories, pictures, etc., in teaching primary geography.

(6) *Music*—The two phases of work—rote singing and the mechanics of music. Value and use of each. Tone work, breathing, rhythm, ear training, eye training; analysis of songs, and how to teach them. (Harris.)

3.—ADVANCED METHODS IN PRIMARY INSTRUCTION. *Three hours credit.*

Each Semester.

Prerequisites: Methods of Elementary Instruction, Primary Methods, practice teaching, and at least one year's teaching in public schools. Purpose of the course: To make a study of the methods of teaching some one subject to be presented in the primary grades for the purpose of instruction and of assisting other primary teachers. Plan of the course: (1) Constructive criticism. Observe

student teachers in the elementary training school and report in regard to best plans of meeting these teachers and helping them. (2) Visit city schools and note methods used. (3) Read books showing the best methods. (4) Compare methods and select. (5) Outline the talk or explain and write. (6) Make plans for illustrative lessons.

Practice Teaching.

Kindergarten Supervisors:
Miss LOUISE M. ADLER.
Miss ANNA BINGHAM, Assistant.

Primary Supervisors:
Miss ACHSAH MAY HARRIS.
Miss NELL GRANT, Assistant.
Miss MARY GEORGE, Assistant.

Grammar Grade Supervisors:
Miss JENNIE WILLIAMS, Geography.
Mr. JOSEPH H. WILSON, English.
Miss FLORENCE BILLIG, Science.
————, History and Civics.
Miss ELIZABETH BEYE, Home Economics.
Mr. E. P. SHARP, Manual Training.
Miss CATHERINE E. STROUSE, Music.
Miss EMMA GRIDLEY, Drawing.
Miss NORA HALL, Assistant Drawing.
Mr. MCCHESNEY, Physical Training.
Miss HELEN TAYLOR, Physical Training.
Miss BABETTA STADLER, German.
————, Latin.

OBSERVATION AND TEACHING. *Four hours credit.*

Summer Term, and Each Semester.

For prerequisite, see Life Certificate requirements, page 47. The Training School will be conducted for purposes of observation and teaching in the various grades. The classes will be in charge of the supervisors. Students will be allowed the opportunity of teaching just as far as they are able to do the work without detriment to the pupils in the class. Observation will be combined with teaching. Students will be required to attend conferences conducted by the supervisors to discuss the work in which they have participated as observers and teachers.

See statement of work of Training School, page 131.

Physical Training.

HOMER W. HARGISS, Director of Physical Training for Men.
HELEN TAYLOR, Acting Director of Physical Training for Women.
BERNICE JOHNSON, Instructor.
HARLAN D. MCCHESNEY, Instructor.
EDNA MCCULLOUGH, Instructor.
DOROTHY VESTAL, Instructor.

A special certificate to teach physical training in Kansas high schools is issued for work in this department. For requirements for the certificate, see page 56.

GYMNASIUM COSTUME FOR MEN. The regulation costume is worn in all classes. It consists of a white sleeveless shirt, white track pants and white tennis shoes. The suit complete can be secured from local dealers at a small cost.

GYMNASIUM COSTUME FOR WOMEN. A regulation costume is worn in all classes. It consists of black serge bloomers, all-white middy blouse and black tennis shoes, sold by local merchants.

THEORY.

1.—HISTORY OF PHYSICAL EDUCATION. *Two hours credit.*

Summer Term, and Each Semester.

A library and textbook study of ancient, modern and present-day physical training. A careful study is made of the origin of systems and their adaptation to the educational needs of schools, colleges and nations. (McChesney.)

2.—PLAYGROUND SUPERVISION AND INSTRUCTION. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, History of Physical Education. This course is half theory and half practice. The theoretical work deals with the psychology of play, construction and equipment of playgrounds, adaptation of play to varying ages, organization and daily programs, history and literature of the playground movement. Half the time of this course is devoted to the study and practice of playground games suitable for school children of the intermediate and upper grades. (McChesney.)

2*a*—The above course will be given in the Summer Term of 1918 to persons who have not had the prerequisite course. (McChesney.)

3.—THEORY OF COACHING AND MANAGEMENT OF MEN'S ATHLETICS. *Three hours credit.*

Summer Term, and Each Semester.

A study is made of the different methods of teaching and coaching the major sports. The student gets a working knowledge of the finer points of football, baseball, basket ball and track athletics. (Hargiss.)

5.—PHYSIOLOGY OF EXERCISE. (Men and Women.) *Three hours credit.*

Summer Term, and Each Semester.

Physiology of Exercise is a discussion of the effects of physical exercise on the body. The reactions the various organs undergo, normally, etc., their continuity, coödination and integration. (Hargiss.)

4.—METHODS IN PHYSICAL EDUCATION FOR MEN. (General Technique.) *Two hours credit.*

Summer Term, and Each Semester.

Open only to freshmen and sophomores. If taken by juniors or seniors only one hour credit will be given. In this course are given methods of handling classes in different phases of work. A critical study is made of tactics, gymnastics, folk dances, games and apparatus work, and their relation to the school curriculum. (McChesney.)

5*s*.—THE BOY SCOUT MOVEMENT. *Two hours credit.*

Summer Term.

For school superintendents, teachers, scout masters, and others. The value of scouting; analysis of the various activities as to their hygienic, physical, mental, and moral values; the adolescent during the scouting age. Practice in all the principal scouting activities and requirements; methods of establishing and maintaining scouting as a community enterprise. (McChesney.)

6.—APPLIED ANATOMY. (Men.) *Two hours credit.*

Summer Term, and Each Semester.

The practical application of anatomy from the standpoint of the physical director and athletic coach, with particular attention to the action and coördination of the muscles. (McChesney.)

6a.—APPLIED ANATOMY. (Women.) *Two hours credit.*

Summer Term, and Each Semester.

Study and coördination of muscles from the standpoint of physical training. (Vestal.)

7.—MANAGEMENT OF GIRLS' ATHLETICS. *One hour credit.*

Summer Term, and Each Semester.

Open only to freshmen and sophomores. If taken by juniors or seniors only one-half credit will be given. Methods of teaching and coaching. (Vestal.)

8.—METHODS OF PHYSICAL TRAINING. (Women.) *Two hours credit.*

Summer Term, and Each Semester.

Open only to freshmen and sophomores. If taken by juniors or seniors only one hour credit will be given. In this course are given methods for handling classes in the different phases of work. A critical study is made of tactics, gymnastics, folk dances, games and apparatus work, and their relation to the school curriculum.

10.—ANTHROPOMETRY.* (Men.) *One hour credit.*

Summer Term, and Each Semester.

Methods of measuring and testing the body, examination of the special senses, vitality and efficiency tests. Anthropometric charts, etc. Determination of normal and abnormal variations.

11.—MASSAGE AND REMEDIAL GYMNASTICS.* (Women.) *Three hours credit.*

Second Semester.

Prerequisite, Human Anatomy. Students in this course are given two hours of lecture work a week and are required to do practice-work teaching three hours a week in a corrective class. In this course are taught massage movements for the different parts of the body. Exercises are also given for drooping head, round shoulders, hollow back, spinal curvature and other malpositions which should be corrected in the schoolroom. (Johnson.)

PRACTICE.

MEN'S DEPARTMENT.

Aims: The aims of this department are best expressed in the words of Geo. W. Ehler:

1. The development of the organic power, the basis of vitality, the prerequisite to mental and physical efficiency.

2. To secure and maintain good posture, a harmonious muscular development, and a reasonable degree of bodily skill and grace.

3. To provide an incentive and an oportunity for every student to secure at least one hour's physical recreation daily as a balance to the sedentary demands of college life.

4. To conserve the social and moral values of games and sports and to secure to every student the fullest opportunity for their practice.

5. To develop the habit of exercise.

6. To train physical directors and instructors, play leaders and recreation directors for service in educational institutions, clubs, playgrounds, municipal recreation systems, etc.

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* These courses apply on certificate requirements. They will not apply on the degree of B. S. in Education requirements after September, 1918.

7. To establish high ideals and efficient administration of athletics throughout the state.

In the practice of indoor and outdoor sports, attention is given to form and technique; adaptability of the individual to the various sports; conditions; rules and methods of scoring; team work and strategy. Teams for intercollegiate competition are maintained in football, basket ball, track athletics and tennis.

The rules governing eligibility for participation in intercollegiate contests are those of the Kansas College Athletic Conference.

2.—ELEMENTARY GYMNASTICS. *One hour credit.*

Marching tactics, free-hand and light apparatus exercises and gymnastic games. Special attention is given to the correction of faulty posture and carriage of the body.

3.—INTERMEDIATE GYMNASTICS. *One hour credit.*

Body building and corrective exercises, gymnastic dancing steps, heavy apparatus exercises, and elementary tumbling. Prerequisite, course 2.

4.—AVANCED GYMNASTICS. *One hour credit.*

Offered the third and fourth terms to those prepared to take up athletics and folk dancing, individual and companion tumbling, and difficult exercises upon the heavy apparatus. Prerequisite, courses 2 and 3.

7.—FOOTBALL. *One-half hour credit.*

Given during the fall, only to men in good physical condition as shown by physical examination. The squad is divided into teams according to ability.

8.—BASKET BALL. *One-half hour credit.*

Classes are organized throughout the year. Class squads are organized from which teams are chosen for the interclass series. These games are played as curtain raisers to the intercollegiate games.

9.—BASEBALL. *One-half hour credit.*

Given in season. Individual and team practice. The squad is divided into teams graded according to ability.

10.—TRACK AND FIELD ATHLETICS. *One-half hour credit.*

Given in season, only to men in good physical condition as shown by physical examination. Cross-country running is given in season.

11.—FIELD HOCKEY. *One-half hour credit.*

Given in season, only to men in good physical condition as shown by physical examination.

12.—TENNIS. *One-half hour credit.*

Given in season. Tournaments in both singles and doubles are held.

13.—SWIMMING. *One-half hour credit.*

Elementary and advanced instruction is given throughout the year.

WOMEN'S DEPARTMENT.

Purpose: The aim of the department is twofold: First, to bring each student to her best possible physical condition, and by a careful system of gymnastic training to correct faulty posture and carriage, to aid in

the formation of habits of hygienic living, to establish a normal condition in the circulatory and respiratory systems, to secure bodily vigor, and to obtain a healthful and systematic development, rather than to secure the greatest increase in muscular power. Students are under the care of teachers who have had thorough medical training, and will be given special medical or corrective exercises prescribed according to individual needs as indicated by their physical examinations. In order that the effect upon muscles may be lasting and best results be obtained, students will not be excused from physical training until the required courses are satisfactorily completed, but the work will always be adapted to the individual needs. Second, to qualify them, as teachers, to intelligently consider the physical needs of their pupils, and to direct in the schoolroom daily exercises which will prevent or help to correct physical defects; also to teach in their playgrounds athletics, games, and folk dances.

Freshman and Sophomore years.

Required, one hour per semester. (Three periods of work per week in gymnastics, athletics or other elective work during one semester of eighteen weeks gives one hour credit.)

2.—ELEMENTARY GYMNASTICS. Required of all beginners. Three periods a week for one semester.

3.—INTERMEDIATE GYMNASTICS. For students who have completed course 2, or its equivalent. Three periods a week for one semester.

4.—ADVANCED GYMNASTICS. Open only to students who have passed course 3 with high grades and physically adapted to apparatus exercises.

5.—METHODS IN FLOOR WORK.

For all students during their second year of college work who have completed course 2. Three periods a week, two of which are floor work, and one a lecture. Special attention is given to gymnastics, games and folk dances, suitable for the schoolroom and playground.

(*a*) During each half semester the lecture is given in the corrective department, where exercises and prescriptions are taught that may be used to correct common physical defects in children and older girls.

(*b*) The lecture for the other half semester is formed in course 6.

7.—CORRECTIVE GYMNASTICS. Open to all students who have need of remedial work. Special attention is given to those having spinal curvature, round shoulders, narrow chests, forward heads, weak backs, pronated ankles, or other physical weakness.

8.—OUTDOOR SPORTS. Open to all students who have completed two terms of gymnastics. Three periods a week in season. In this course are taught a variety of games, including baseball, soccer, playground ball, cross ball, track athletics and relay racing.

9.—SOCCER. Open to students who have passed eighteen weeks of gymnastics. One period a week for one semester.

10.—BASKET BALL. Open only to students who are physically qualified and who have passed course 2.

11.—BASEBALL. One period a week in season.

12.—HOCKEY. One period a week in season.

13.—TENNIS. Open to all students having the privilege of electing athletics. One, two, or three periods a week.

14.—SWIMMING. One lesson a week is allowed each student.

26.—ÆSTHETIC DANCING (elementary). Two periods a week. The purpose of this course is to develop grace and freedom of movement. The classic dancing is emphasized, and is now considered one of the most important phases of gymnastic exercise.

27.—FOLK DANCING (intermediate). One period a week. In this course are taught the simple peasant and national dances suitable for recreative and exhibition work with children.

28.—ÆSTHETIC DANCING (intermediate). Open to all students who have completed course 26.

29.—FOLK DANCING (intermediate). One period a week. Open to all students who have completed course 27.

30.—ADVANCED ÆSTHETIC DANCING.

31.—ADVANCED FOLK DANCING.

Physics.

Professor DRAKE.
Mr. VAN VORIS, Instructor.

This department is located on the third floor of Norton Science Hall, occupying a suite of the following rooms: Lecture room, elementary laboratory, advanced laboratory, light laboratory, photographic laboratory, department library, and office. Comprehensive equipment is furnished for the elementary and advanced courses. Electric current is supplied to all parts of this floor from a thoroughly up-to-date type of switchboard designed and built in this department. A gasoline engine and other farm, home and school appliances are provided for study purposes.

1.—MECHANICS, SOUND, AND HEAT. *Five hours credit.*

Summer Term, and Each Semester.

Prerequisite, one year each of algebra and geometry, and high-school physics, or Physics 5. It is recommended that trigonometry be taken before this course or at the same time with it. The subject matter is presented with the view of furnishing a practical knowledge as well as the development of the cultural aspects. (Drake, Van Voris.)

2.—LIGHT, MAGNETISM, AND ELECTRITY. *Five hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 1 or its equivalent. The viewpoint is the same as in the previous course. The application of light and electricity in the home, on the farm, and in the school are taken up in an applied way. (Drake, Van Voris.)

3.—RADIO—TELEGRAPHY. *Two hours credit.*

Summer Term, and First Semester.

Prerequisite, course 2 or its equivalent. This course will cover the theory and practice of radio work. The laboratory work will

consist of setting up actual apparatus, tuning, measuring waves, experimenting with detectors, and becoming acquainted with the various parts and kinds of wireless equipment, practice in sending and receiving. (Drake.)

4.—ADVANCED LIGHT. *Two hours credit.*

Second Semester.

Prerequisites, same as in course 3. Problems and experiments relating to illumination, the eye, the microscope, telescope, spectroscope and spectrometer, polarized light, the stereopticon, reflectoscope and the moving picture machine. (Drake.)

5.—GENERAL PHYSICS. *Five hours credit.*

First Semester.

A rapid survey of the whole field of physics with the cultural aspects emphasized. Designed for those who do not offer physics for college entrance. (Drake, Van Voris.)

6.—HOUSEHOLD PHYSICS. *Three hours credit.*

First Semester.

Designed for those specializing in home economics. It consists of a course of lectures, assigned readings, and laboratory work treating of labor-saving devices in the home, the principles of heating, ventilating, and lighting, of color phenomena, thermal principles employed in cooking devices, musical instruments, and of electrical appliances used in the home. (Drake, Van Voris.)

7.—FARM PHYSICS. *Five hours credit.*

Second Semester.

Prerequisites, high-school physics, and a specializing in agriculture. It takes up soil physics, farm machinery, electric and other light for the farm home, road making, rope tying, and such other topics as will give the best preparation in this line of work. (Van Voris.)

8.—GAS ENGINES. *Two hours credit.*

Summer Term, and Second Semester.

Open to all students who have had high-school physics and to all enlisted men and to men who expect to enter the ambulance or aviation service. Types of engines, cooling systems, valves, ignition systems, fuels, carburetors, governors, care and management of, engine troubles, auto unit power plant, auto troubles, horsepower of, materials and designs for special uses. (Van Voris.)

9.—LABORATORY TECHNIQUE. *Two hours credit.*

First Semester.

This is the laboratory and shop course in the making of simple apparatus for high-school laboratories. Simple lessons are given in the handling of glass—molding, blowing, etc. Instructions are given in the making of lantern slides.

50.—TEACHING OF HIGH-SCHOOL PHYSICS. *Two hours credit.*

Second Semester.

Open only to those specializing in this department as a teachers' course and might well be taken in connection with practice teaching. Students must have had at least ten hours of college physics before undertaking this course. The organization of secondary physics courses, the equipment of laboratories, economical purchase of apparatus and supplies, care of apparatus, arrangement of laboratory, and a thorough examination of the state text and manual, are some of the matters dealt within this course. (Drake, Van Voris.)

52*a*.—ADVANCED MECHANICS. *Two hours credit.*

Summer Term, and first half of First Semester.

Prerequisites, courses 1 and 2, and Trigonometry. Practical problems and experiments related to forces in commercial structures, work, power, elasticity and mechanics of fluids. (Drake.)

52*b*.—ADVANCED HEAT. *Two hours credit.*

Second half of First Semester.

Prerequisites, same as for 52*a*. Problems and experiments related to fuels, calorimetry, steam and gas power plants, gas engines and refrigeration plants. (Drake.)

53.—ADVANCED MAGNETISM AND D. C. ELECTRICITY. *Three hours credit.*

Second Semester, and even summers.

Prerequisites, same as for 52*a*. Problems and experiments in magnetism and electrical experiments, study and use of direct current instruments and machinery. (Drake.)

54.—ADVANCED A. C. ELECTRICITY. *Three hours credit.*

Second Semester, on demand.

Prerequisite, course 53. Practical problems and experiments in alternating current electricity, study and use of alternating current instruments and machinery. (Drake.)

55.—ADVANCED GENERAL PHYSICS. *Five hours credit.*

Prerequisites, courses 1 and 2, and Calculus. This course is designed for those specializing in physics and mathematics, and for those who expect to take graduate work. It takes up an advanced treatment of the principles of general physics from the mathematical standpoint.

Physiology and Hygiene.

Professor WHITE.
Miss HOWAT, Instructor.

1.—GENERAL PHYSIOLOGY. *Three hours credit.*

Summer Term, and Each Semester.

An elementary course with College credit for those students who have never taken physiology in high school, and will satisfy the three-year certificate requirement in physiology for these students. The work will consist of a comprehensive discussion of the basic principles of physiology, and emphasis will be laid upon the relation of the body functions to personal efficiency. From time to time laboratory apparatus and sections of normal tissue will be used to give a better idea of the subjects under discussion. Required for the Three-year State Certificate of students who have not had a half-year's work in high school.

4.—FIRST AID TO THE INJURED. *One hour credit.*

Summer Term, and Each Semester.

A course in emergencies and first aid to the injured is offered. This course will take up the important points under anatomy which are necessary, and a discussion of germs and infection, followed by a consideration of inflammation, its causes and symptoms. Briefly, the following conditions will be considered: First-aid materials, antiseptics, splints, tourniquets, shock, bruises, sprains, dislocations, fractures, burns of all kinds, hemorrhage, unconciousness, convulsions, poisoning, sunstroke, frostbite, electric shocks and lightning, hiccough, corns, chilblains, etc. Artificial respiration after drowning accidents will be carefully taught; also thorough practice in all kinds of bandaging.

5.—HYGIENE AND SANITATION. *Three hours credit.*

Summer Term, and Each Semester.

A course dealing with the practical phases of hygiene and sanitation as it affects the conditions under which we live and exist. A few of the subjects taken up will be as follows: Air, humidity and its effect on health; ventilation; dust and its removal; heating systems, methods, etc.; water—composition, properties, impurities, purification systems, filtration, sedimentation, reservoirs, watersheds, chemical tests, etc.; sewage removal, disposal plants, plumbing; garbage disposal; food—adulterants, laws applying, preservatives, energy value, etc.; exercise; clothing; personal hygiene, industrial hygiene, effects of certain occupations, etc.; length of working day; school hygiene, site, structure, medical inspection of, etc.; military hygiene; naval hygiene; soil; habitations—site, walls, foundations, roof; flies, mosquitoes, etc.; disease—epidemics, immunity, susceptibility, vaccination; disinfection—methods, etc.; quarantine—laws and customs in different localities; vital statistics. Practical field trips will be taken to observe dust removal, ventilation systems, heating plants, refrigeration plants, slaughterhouses, garbage incinerators, waterworks systems, etc.

7.—HISTOLOGY. *Two hours credit.*

Second Semester.

A study of the structure of the organs and tissues of the body, both macroscopic and microscopic, including the glands, blood vessels, muscles, nerves, skin, kidney, liver, stomach, pancreas, spleen, etc. Laboratory work will be an integral part of the course. The permanent mounts of sections of tissue will be the property of the individual student at the completion of the course, and will be invaluable for illustrating work in physiology, for the teacher who wishes to get permanent results.

8.—SCHOOL AND PERSONAL HYGIENE. *Three hours credit.*

Summer Term, and Each Semester.

This course will take up particularly those problems arising in the hygiene and sanitation of the public school and grounds. It will also emphasize personal hygiene as it is related to the pupil and to the teacher; personal prophylaxis and how to encourage it will also be carefully considered. The school nurse and medical inspection of schools will be important topics.

50.—ADVANCED PHYSIOLOGY. *Five hours credit.*

Summer Term, and Each Semester.

Prerequisite, a high-school course in physiology, or course 1. Frequent illustrations of the subject under consideration will be given by use of laboratory apparatus and methods. In addition to a careful discussion of the functions of the blood, lymph, digestive track, nervous systems, skin, glands, respiratory organs, muscles, etc., conference topics will be assigned to each student during the course, on pertinent subjects on which students will be asked to make special research and read the results of their investigations in class.

51.—PHYSIOLOGY OF ALIMENTATION AND DIETETICS. *Two hours credit.*

Second Semester.

Particular stress will be laid upon the study of the action of the enzymes and the secretions of the glands of the stomach and intestines, also the secretions of the salivary glands of the stomach and intestines, also the secretions of the salivary glands and pancreas. The process of absorption, assimilation, emulsification, saponification, and their relation to nutrition, are studied in detail.

The calory values of the different constituents of food are given proper consideration, and the proper amount of each constituent in a daily diet with relation to the amount of physical or mental work done. A careful study of the bacteria of the alimentary tract, and conditions under which they multiply, will also be included. Prerequisite, course 1, or General Chemistry.

53.—HUMAN ANATOMY. *Five hours credit.*

First Semester.

Study of the bones, muscles, and internal organs. A thorough study is made. Prerequisite, Advanced Physiology.

Public Speaking and Expression.

Professor GILSON.
Miss BAUMAN, Instructor.

It is the purpose of the Department of Public Speaking and Expression to enable its students to speak the English language distinctly and correctly; to express the masterpieces of literature with true meaning and feeling; to address an audience easily and effectively; and to have so thorough a knowledge of the methods used that they may teach the subject wisely.

All courses offered are limited to twenty students.

1.—FUNDAMENTALS OF EXPRESSION. *Three hours credit.*

Summer Term, and Each Semester.

A course in the underlying principles of expression, including training in voice, pronunciation and bodily expression as applied to interpretation of literature. The course is designed to help teachers make all oral exercises in the classroom intelligent and pleasing. Some practice will be given in story telling, and causes and remedies for defective speech will be considered. (Gilson, Lyon.)

2.—PUBLIC SPEAKING. *Three hours credit.*

Summer Term, and Each Semester.

A course in extemporaneous speech. Phillip's Effective Public Speaking is used as a text; and much drill is given in the presentation of speeches. The aim of the course is principally to give the students ease and effectiveness in public speech. (Gilson, Bauman.)

3.—STORY TELLING. *Three hours credit.*

Each Semester.

Aims to develop in the student the power to discover in the world's literature, in history and in life the best stories for education, and to tell them well; also to foster creative work in arranging stories from classic and historic sources for presentation in special grades, including high school. Better following than preceding Fundamentals of Expression. (Gilson.)

5.—DRAMATICS. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 1, or its equivalent. A course in presentation of farces and plays. The aim of the course is to gain a clear understanding of the dramatic form in literature and to give the student practical knowledge of how to stage a play. (Gilson.)

6.—ADVANCED PUBLIC SPEAKING. *Three hours credit.*

Each Semester.

Prerequisite, course 2, and Composition and Rhetoric I. This course is a continuation of course 2. Winan's Public Speaking is

used as a text. Careful attention is given to the delivery and construction of the speech.

9.—ADVANCED EXPRESSION. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 1. A continuation of course 1. Drill in platform work, arranging programs, making readings from stories and plays. (Gilson.)

10.—ARGUMENTATION AND DEBATE. *Three hours credit.*

Each Semester.

A good text is used for the basis of actual work in debate. The matter of debate work is considered both as to form and matter.

52.—THE OCCASIONAL ADDRESS. *Two hours credit.*

Each Semester.

Prerequisite, courses 1, 4 and 5. This course consists of a study of the formal lecture. It gives special attention to addresses appropriate for commencement, Memorial day, the banquet and the chautauqua.

53.—PLATFORM READING. *Two hours credit.*

Each Semester.

Prerequisite, courses 1, 2, 4 and 5, also three hours of Literature. This course is intended especially for those who wish further training in platform art. Each student will prepare a short program taken from standard literary material. (Gilson.)

59.—METHODS IN ORAL ENGLISH. *Two hours credit.*

Second Semester.

Prerequisite, courses 1, 2, 4. A pedagogical course dealing with the teaching of the following forms: Reading, Extemporaneous Speaking, Debate, Orations, School Plays. (Gilson.)

54.—PAGEANTRY. *Two hours credit.*

Summer Term.

A course designed primarily to enable teachers to write and produce pageants in their community. It will cover such points as writing and staging a pageant, also costume, music, and dancing in their relation to pageantry.

Sociology and Economics.

Professor SMITH.

SOCIOLOGY.

1.—GENERAL SOCIOLOGY. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, Elementary Psychology. The first half of the semester outlines the general field of sociological theory, literature and thought, with a textbook, assigned readings, papers and discussions. The second half of the semester will be used in investigating a variety of topics dealing with dependents, defectives and delinquents, sociological legislation and reform, rural and urban life. Lectures, assigned readings, reports and term papers.

50.—SOCIOLOGICAL PROBLEMS. *Two or four hours credit.*

On sufficient demand.

Prerequisite, General Sociology. The nature of the work will vary from semester to semester, a part of it being in advanced theory and part in detailed topical investigation.

51.—SOCIAL PATHOLOGY. *Two hours credit.*

This course is a general study of dependents, defectives and delinquents. Special attention will be given to conditions in Kansas and the penal, charitable and educational institutions established to care for the poor, the insane, the unfortunate and the criminal. Various plans for improving present conditions will be investigated and the best scientific thought along these lines elaborated. Open to those who have had general sociology or abnormal psychology.

52.—EDUCATIONAL SOCIOLOGY. *Three hours credit.*

Each Semester.

Prerequisite, Psychology. The most remarkable developments in the educational field in the past few years have been along social lines. The individualistic point of view is giving way to the social, and the school is becoming more and more a part of community life. The affiliation of the school with the home and the church, with industry and the government, must be made more complete and perfect. To emphasize this broader point of view, and to trace fully the relation of the school to the other educational institutions of life, is the purpose of educational sociology.

53.—THE SOCIALIZATION OF THE CURRICULUM. *Two hours credit.*

Summer Term.

Prerequisites, Methods in Instruction, General Psychology, also General Sociology unless special permission of the instructor is secured. A seminary course consisting of detailed studies of the means and methods of working over each subject in the public-school curriculum so that it will fit the pupil most easily and effectively for meeting the actual conditions of life outside the schoolroom. May well be taken in connection with Educational Sociology.

54.—RURAL SOCIOLOGY. *Three hours credit.*

Second Semester.

A study of social conditions and problems in rural districts and villages. An analysis is made of the various agencies for rural betterment, such as the need of amusement, social organization and coöperation, school and church centralization. Particular attention is paid to Kansas conditions, and detailed study of one rural community with a class report upon it is demanded.

54*s*.—RURAL SOCIOLOGY. *Two hours credit.*

Summer Term.

55.—GENETIC PSYCHOLOGY II. *Two hours credit.*

See Department of Psychology and Philosophy.

56.—SOCIAL PSYCHOLOGY. *Two hours credit.*

See Department of Psychology and Philosophy.

ECONOMICS.

1.—GENERAL ECONOMICS. *Three hours credit.*

Summer Term, and Each Semester.

A brief survey of the principles of economics, with a preliminary application of these principles to existing business conditions. Special attention will be devoted to local and national politico-economic questions before the public at the present time. In so far as possible it will be an applied rather than a theoretical course, and will be of especial advantage to debaters and those interested in public affairs.

1s.—RURAL ECONOMICS. *Two hours credit.*

In this course the theories of economics most prominent in agriculture are emphasized. The illustrative material used is drawn mainly from farm sources. It is intended to make the course as distinctly practical as possible.

51.—MONEY, BANKING, AND PUBLIC FINANCE. *Four hours credit.*

First Semester.

Prerequisite, General Economics. The first half of the semester is devoted to the general history and principles of money and credit, banking history, theory and practice, and some of the financial problems of the day. The last half of the semester will be devoted to public finance. This course includes an analysis of the fundamental principles of national finance as shown in the leading revenue systems of the world; the variety, nature and workings of the different elements of taxation in our national, state and municipal budgets, and a study of the specific tax problems before the state of Kansas. By special consent of the instructor and adviser the two parts of this course may be taken separately and two hours credit given to each.

52.—COMMERCIAL AND INDUSTRIAL HISTORY. *Three hours credit.*

On sufficient demand.

A history of commerce. It traces the rise of trade and commerce in ancient times, its development during the Crusades and the age of the Hanseatic and other commercial leagues, and its enormous expansion in recent times; also the effects of geographical conditions, customs and economic ideas upon commerce, and its reactionary effect of commerce upon civilization and national development. It embraces a review of the colonial industrial system, the growth of manufactures, the internal improvement and tariff questions, the development of our banking and currency systems, and the rise and treatment of our trust and monoply problems.

53.—LABOR AND TRANSPORTATION PROBLEMS. *Four hours credit.*

Second Semester.

Prerequisite, General Economics. A brief history of labor organizations, with a preliminary study of such problems as the union label, strikes and boycotts, workingmen's insurance, employer's liability, profit sharing, and labor legislative programs. This will trace briefly the history of transportation in the United States and Europe, then take up the problems of the tariffs, capitalization, organization, judicial control, state regulation of our railways, and a brief review of our maritime and inland waterway policies.

THE NORMAL TRAINING HIGH SCHOOL.

ITS AIM AND PURPOSE.

The purpose of the Normal Training High School is to prepare better teachers for the rural schools of Kansas. The chief aim of its curriculum is to impart specific information which will qualify teachers to meet and solve the problems of rural education in a superior way. It is intended primarily for persons who have not had, at high-school age, opportunities to do high-school work, and who have had teaching experience or who intend to become teachers. Persons who have high-school advantages in their home towns are not encouraged to enter.

The general atmosphere of the school and the professional courses which are given by rural-school experts have a tendency to create in the prospective rural teacher those attitudes of mind toward country life which are in sympathy with the nation-wide movement for improvement of that field.

The Normal Training High School, by maintaining classes of high-school grade, is in a position to offer special opportunities for observation and practice teaching to teachers who expect to enter the high schools of the state. With an enrollment of five hundred serious-minded boys and girls gathered from the rural districts and villages of the state in which only meager educational facilities are provided, and the graduation annually of approximately one hundred teachers, the Normal Training High School is prepared to serve not alone the students of the institution of which it is a part but the rural and high schools of the state as well.

ADMISSION AND REGISTRATION.

(See statement, pages 28 and 29.)

SOCIAL PRIVILEGES.

The Faculty of the Normal Training High School, realizing that the period of adolescence is the time at which appear new social instincts, have provided such forms of social activity as will tend to acquaint the student with the forms and conventions of properly regulated society. This is largely accomplished through various clubs and literary organizations under Faculty direction. Students are also entertained annually in the homes of the Faculty members. The C. S. Club is a type of social organization in the Normal Training High School. It is composed of boys and young men who desire to study social forms and usages and to train its members to meet society in the best possible manner. The C. S. Club is under the sponsorship of Miss Maude Minrow.

The Civics Club, under the direction of Miss Brogan, aims to supplement the class work by giving the student a greater appreciation of what

active citizenship should mean. The Normal Masques, sponsored by Mr. Gilson, and the Athenians, a literary society composed entirely of secondary students, are about the most useful of the social organizations.

AMOUNT OF WORK.

Students must register in not less than three and not more than four subjects. In some cases mature persons with teaching experience may carry five subjects per semester. One unit is the normal amount for completion during the Summer School. Occasionally a student of marked ability and experience may complete one and one-half units.

Students who work for board, room or pay on school days will in no case be allowed more than the standard amount of high-school work.

CREDIT.

A unit of *credit* and of *work* is a year's work done in one subject in a class reciting fifty-five minutes daily for thirty-six weeks, and is a fourth of a full year's work.

GRADUATION.

Students are permitted to complete their work at the close of any semester. Diplomas and certificates are awarded in June and August.

To receive the diploma of the Normal Training High School pupils must have completed sixteen units of work, ten units of which are required and six are elective.

The required work includes three units of English, one of algebra, one of geometry, one of botany or agriculture, one of physics or chemistry, one of history, one-half of hygienic physiology, one-half of civics, and one selected from the list of arts, found in group 6, page 134. One-half unit only in physical training, and three units in music may be counted toward graduation, provided the student is a *bona fide* candidate for a certificate or diploma in music. Many courses require more than one semester for completion of credit toward graduation, and these must be taken until the completion of the course.

To secure the one-year state certificate, the following units must be completed: English three, mathematics two and one-half, of which one-half must be arithmetic or bookkeeping, science three, which shall include one-half unit each of geography and physiology, history one, civics one-half, methods and management one-half, psychology one-half, arts one, elective four.

The residence requirement for both the high-school diploma and the one-year state certificate is one semester, in which the student must carry work giving not less than four units of credit in addition to work in physical training.

COURSE OF STUDY.

Courses in SMALL CAPITALS are prescribed in all courses. Only when strict conformity works a positive hardship on the student will any exceptions be made. Subjects which are continuous through the year must be completed. For example, a student who expects credit in Latin I must

complete Latin II. Pupils are not permitted to take less than three subjects nor more than four without the consent of the high-school principal, and no student who is failing in two subjects shall be allowed to continue his work unless there be recommendation to the contrary from the teachers involved. Only one-half unit in physical training, and one-half unit in chorus singing may be counted towards graduation.

Six semesters of English are required, and they must be taken in the order in which they are indicated, except that the student may elect 5 or 6. With the approval of the head of the department 5 or 6 may precede 4.

GENERAL COURSE OF STUDY.

FIRST YEAR.

First Semester.	*Second Semester.*
ENGLISH 1.	ENGLISH 2.
BOTANY I or AGRICULTURE I.	BOTANY II or AGRICULTURE II.
School Arithmetic.	ALGEBRA I.
Latin I.	Latin II.
German I.	German II.
Bookkeeping I.	Bookkeeping II.
Penmanship I.	Elementary Sight Singing.
Ancient History I.	Ancient History II.

SECOND YEAR.

First Semester.	*Second Semester.*
ENGLISH 3.	ENGLISH 4.
EXPOSITION.	GEOMETRY I.
ALGEBRA II.	Cæsar II.
Cæsar I.	Typewriting II.
Typewriting I.	Woodworking II.
Woodworking I.	Modern History II.
Modern History I.	Free-hand Drawing II.
Free-hand Drawing I.	German Conversation and Composition II.
German Conversation and Composition I.	Stenography I.
Intermediate Sight Singing.	

THIRD YEAR.

First Semester.	*Second Semester.*
ENGLISH 5 or 6.	ENGLISH 6 or 5.
PHYSIOLOGY.	CIVICS.
GEOMETRY II.	Solid Geometry.
French I.	French II.
Joinery.	Cabinetmaking.
Cicero I.	Cicero II.
Stenography II.	Geography.
Speed Practice Typewriting.	Stenography III.

FOURTH YEAR.

First Semester.	*Second Semester.*
English 7.	PHYSICS II or CHEMISTRY II.
PHYSICS I or CHEMISTRY I.	Algebra III.
Advanced Arithmetic.	Foods and Sewing.
Foods and Sewing.	School Administration.
Psychology.	Virgil II.
Virgil I.	American History II.
American History I.	Oral English.

ONE-YEAR STATE CERTIFICATE.

Since the greater part of the student body in the Normal Training High School are preparing to teach, and usually do teach for a period between their high-school work and their college work, the courses required for the one-year state certificate are listed here. Sixteen units are required. The residence requirement is one semester in which the student must carry full work.

GROUP 1.—ENGLISH.

May be submitted:

English, 4 units.
Oral English, 1 unit.
Required: Three units.

GROUP 2.—MATHEMATICS.

May be submitted:

Algebra, 1½ units.
Geometry, 1½ units.
Arithmetic, 1 unit.
Bookkeeping, ½ unit.
Required: Two and one-half units, one-half unit being arithmetic or bookkeeping.

GROUP 3.—NATURAL SCIENCE.

May be submitted:

Botany, 1 unit.
Physics, 1 unit.
Agriculture, 1½ units.
Geography, 1½ units.
Physiology, ½ unit.
Required: Three units, one-half unit being geography, and one-half unit physiology.

GROUP 4.—HISTORY AND CIVICS.

May be submitted:

American history, 1½ units.
European history, 2 units.
Civics, ½ unit.
Required: One and one-half units, one-half unit being civics.

GROUP 5.—PROFESSIONAL SUBJECTS.

May be submitted:

Methods and management, ½ unit.
Psychology, ½ unit.
Required: One unit.

GROUP 6.—ARTS.

May be submitted:

Drawing, 2 units.
Music, 3 units.
Physical training, ½ unit.
Manual training, 2 units.
Domestic science or domestic art, 2 units.
Penmanship, 1 unit.
Required: One unit.

ELECTIVE.

Required: Four units.

Normal Training High School Courses.

No course will be offered unless registered for by eighteen students.

The summer term, and the first and second semesters, indicated below as the time when these courses are given, make up the school year May 29, 1918 – May 23, 1919.

Agriculture.

Mr. ROSKE.

High-school agriculture is taught from its own standpoint in the high school. Farming is considered as both science and art, and its possibilities as a profession are developed. Technical studies in farm crops and farm animals, soils, gardening and horticulture are made; and laboratory and field exercises develop the practical side. Experience is obtained in judging livestock, testing dairy products, making and caring for gardens and hotbeds, and in other field exercises. Small projects are assigned, so those students who desire to do so may carry on home project work. The courses are all practical, attempting to open up for discussion the business of farming.

FARM CROPS (AGRONOMY). *One-half unit credit.*

Summer Term, and Each Semester.

This course includes a study of the grain crops, hay and fodder crops, root and tuber crops, fiber crops and legumes. There is also a detailed consideration of insects and obnoxious weeds, with methods of control. This is a practical course in the study of agronomy.

FARM ANIMALS (ANIMAL HUSBANDRY). *One-half unit credit.*

Summer Term, and Each Semester.

A course including a study of types and breeds of farm animals, feeding, live-stock judging, dairying and its relations to Kansas problems of soil fertility.

POULTRY, DAIRYING, AND SOILS. *One-half unit credit.*

First Semester.

This course deals with the practical problems in poultry, dairying and soils. It is also an introductory course to show the student what there is to be gained by a study of poultry, dairying or soils.

HORTICULTURE, FORESTRY, AND GARDENING. *One-half unit credit.*

Second Semester.

The course takes up the study, selection and manner of growth of trees best suited to Kansas conditions. The selection, planting and management of the farm orchard. The work in gardening consists of a study of the common vegetables, their production and utilization largely through the means of the school and the home garden.

Manual Art.

Professor BRAUCHER.
Mr. SHARP.

ELEMENTARY MECHANICAL DRAWING. *One-half unit credit.*

Summer Term, and Each Semester.

A course in the elements of mechanical drawing, including exercises in the use of instruments, geometric constructions, free-hand

lettering, orthographic projection of simple solids at various single angles, and the application of orthographic projection in making working drawings, tracings and blue prints.

ADVANCED MECHANICAL DRAWING. *One-half unit credit.*

A continuation of the above course, giving practice in orthographic projection of more complicated objects, and in double angles; surface developments, sections, isometric and cabinet projections, shadows, and some application of the principles of practical drafting.

ELEMENTARY WOODWORK. *One-half unit credit.*

Summer Term, and Each Semester.

A course in wood construction suited to the intermediate and lower grammar grades. Work with tools at the bench will be required. Simple models selected to illustrate and give practice in the use of the common woodworking tools will be made.

ADVANCED WOODWORKING. *One-half unit credit.*

A continuation of the above course, dealing with models appropriate for the grammar grades. Work requiring greater skill in the use of tools will be selected, and students will be expected to plan and execute several original or adapted models, in addition to those in an assigned course.

JOINERY. *One-half unit credit.*

Summer Term, and Each Semester.

A course beginning with a series of joint exercises illustrating the common point in wood construction and continuing into the application of some of these in appropriate models.

CABINETMAKING. *One-half unit credit.*

A course in advanced woodworking, dealing with models requiring more accurate use of the tools. Some attention will be given to the lines and decorations, with the methods of securing pleasing effects through wood combination, inlaying and simple carvings.

WOOD TURNING. *One-half unit credit.*

A beginning course in wood turning, with instructions on the care and uses of the lathe; practice in the sharpening of the usual turning tools—chisels, gouges, parting tools, etc. The students will be required to make a series of exercises between centers on the lathe, beginning with the cylinder, through progressive modification, showing the characteristic uses of the tools; followed by the turning of several useful pieces for further practice in the uses of the lathe.

ADVANCED WOOD TURNING. *One-half unit credit.*

A continuation of the above course, giving further study to the lathe and its uses, including problems in hollow turning, faceplate and chunk work, as illustrated in the making of rosettes, boxes, goblets, etc.

Botany.

MR. AGRELIUS.

ELEMENTARY BOTANY I. *One-half unit credit.*

Summer Term, and Each Semester.

Topics considered: A study of the so-called lower plants with especial emphasis on bacteria and their relation to health, to the preservation of foods, and to soil production and fertility; a similar treatment of fungi, and the origin and nature of a seed. The

method is strictly developmental throughout. Text: Bergen and Caldwell's Introduction to Botany. A deposit of seventy-five cents is required in each of these courses to guarantee the return of apparatus entrusted to the student.

ELEMENTARY BOTANY II. *One-half unit credit.*

Summer Term, and Each Semester.

The previous course will be continued, with a comparative study of seeds, their germination, their structure and contents; the general structure and work of plants—their roots, stems, and leaves, and the significance of these; plant products and industries connected with them; a consideration of some of the leading families of plants, their uses, characteristics, and distribution; plant improvement, including plant breeding. This study includes field and laboratory work, illustrated lectures, class discussion, and recitations. No credit is given for either of these courses without the other. Text and deposit the same as in Botany I.

Chemistry.

MR. VAN VORIS.

CHEMISTRY I. *One-half unit credit.*

First Semester.

A study of the principles and laws of the science, with something of its history. This course will include a detailed study of the most typical nonmetallic elements and of some of the more useful metals. It will also cover an introduction to the study of some of the simpler and more familiar organic compounds. The student becomes familiar with such laboratory methods of filtration, evaporation, precipitation, neutralization, distillation and weighing as will give him facility in analysis in the work of the second semester. Text: Olson's Pure Foods. Laboratory fee, $1.

CHEMISTRY II. *One-half unit credit.*

Second Semester.

Practical analysis is continued throughout the semester. The work includes both qualitative and quantitative analysis of such familiar things as tea, coffee, baking powder, vinegar, fruit juices, water, milk, foods—including tests for adulteration, preservatives, artificial colors and flavors. The chemistry of dyeing and stains receives attention. The more common remedies and patent medicines are examined. The course is elastic enough to allow it to be adapted to the needs of the class and the interest of the individual student. Text: Allyn's Elementary Applied Chemistry. Laboratory fee, $2.

Commerce.

PROFESSOR PARKE.
MR. CREMER.

BOOKKEEPING I. *One-half unit credit.*

Summer Term, and Each Semester.

The elementary principles of bookkeeping are studied, and applied in the use of the journal-daybook, cash book, sales book, and ledger. Thorough drill is given in the opening and closing of accounts and in making trial balances and statements. The course includes simple business practice.

BOOKKEEPING II. *One-half unit credit.*

Each Semester.

Prerequisite, Bookkeeping I. The student handles a large number of business forms and uses school currency. Special attention is given to the classification of accounts and to making business and financial statements.

BOOKKEEPING III. *One-half unit credit.*

Prerequisite, Bookkeeping II. This course includes the accounts of a large business in which subsidiary ledgers, special column books, and very comprehensive forms of business and financial statements are used.

PENMANSHIP I. *One-half unit credit.*

Summer Term, and Each Semester.

No prerequisite. Study of correct position. Muscular movement is used and drills given for the mastery of movement. Development and analysis of both capitals and small letters and of figures. The aim is to develop a rapid and legible handwriting.

COMMERCIAL LAW. *One-half unit credit.*

Each Semester.

It is the aim of this course to present clearly the more important points of business law that are likely to arise in everyday affairs. The leading principles of contract law, illustrated by references to court decisions, are studied, and their application to practical matters is shown. Open to seniors.

TYPEWRITING I. *One-half unit credit.*

Each Semester.

Beginning with a mastery of the keyboard by the touch method, the student is given a series of progressive exercises in writing words, sentences, and business letters, leading to the acquisition of practical speed and accuracy in writing ordinary business and literary matter.

TYPEWRITING II. *One-half unit credit.*

Each Semester.

Prerequisite, Typewriting I. Continued drill is given to attain speed and accuracy. Business letters, common legal and business papers, and tabulating exercises are given. The student is trained to write smoothly and rapidly, and without error, any kind of miscellaneous matter or business documents.

STENOGRAPHY I. *One-half unit credit.*

Summer Term, and Each Semester.

No prerequisite. Mastery of principles is the principal aim in this course. Careful attention is given to the correct formation of characters and outlines, and constant drill given in reading shorthand notes. Suitable dictation is given from the beginning.

Drawing.

Miss MORRISON.

The courses of art education in the high school aim to familiarize the student with fundamental art principles, to create a love for the beauties of nature, skill in drawing and construction.

ELEMENTARY FREE-HAND DRAWING I. *One-half unit credit.*

Summer Term, and Each Semester.

This course requires five hours a week for one semester, with one hour in the afternoon for preparation and study. It consists of free-hand drawing in outline from models—forms of pottery, books, boxes, plants, trees, buildings, etc. The materials used are, pencil, charcoal, colored crayons, white and tinted papers, blackboard. Silhouette drawings of flowers, trees, animals, and the human figure in action are made with brush and India ink. This course includes simple problems in design, as surface patterns and borders applied to wall papers, book covers, rugs, etc.; also, a working knowledge of perspective principles, both free-hand and mechanical.

ELEMENTARY FREE-HAND DRAWING II. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisite, Free-hand Drawing I. The primary object of this course is to develop skill in drawing, construction and design. It includes perspective drawing, constructive problems, elementary and applied design, decorative treatment of landscape, still life and plant forms, also costume design and interior decoration.

English.

Professor BARRETT.
Miss MCDANIEL.
Miss ASKEW.

Six semesters of English are required. They must be taken in the order in which they are numbered, except that the student may elect between 5 and 6. With the approval of the head of the department, one of these courses may precede 4.

Each course stands distinctively as a composition course or as a literature course, yet the two phases of English work are not entirely divorced. Some literature is used in the constructive courses, and both oral and written reports are required in all courses in literature. A great deal of attention is paid to oral composition, primarily for its own sake rather than because of its important relation at times to the written work required.

Literature is studied rather than a textbook about literature. The history and biography are made merely incidental, being used only as a background. The library furnishes an abundant supply of histories of literature, and the students are referred to them for any desired information of that nature. In place of studying by the chronological or period plan, or by making artificial distinctions between American and English literature, the students study types of literature. In each case they are introduced first, in so far as it is possible, to the best efforts of he present-day writers, and later to the classics of earlier times. The underlying idea is to arouse in the student an appreciation of good literature and a real liking for it, rather than to make the courses dominantly informational.

1.—COMPOSITION AND GRAMMAR. *One-half unit credit.*

Summer Term, and Each Semester.

To make the study of English Grammar practical and profitable is the aim of this course. Stress is laid on principles that affect speech and writing, and themes are assigned that require immediate

use of these principles. Students are induced to use their reasoning faculties instead of their memories. A study is made of their own language rather than the language of the classics. Methods and suggestions for the presentation of the subject to beginners are frequently made. Some good prose is required to be read during the course.

2.—NARRATION AND DESCRIPTION. *One-half unit credit.*

Each Semester.

Prerequisite, course 1. This course corresponds roughly to the second year's work in composition as outlined in the state course of study. The rhetorical structure of the sentence and economy and accuracy in the use of words receive special attention. The subjects for composition are largely narrative and descriptive, and the principles of this composition are derived from the study of fiction.

3.—NARRATIVE PROSE AND POETRY. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisite, courses 1 and 2. This course follows as closely as seems practicable the first year's work in literature in the state course of study. The simpler narratives are selected from the representative poets and prose writers of England and America. Only so much of technique is taken up as will increase the appreciation and enjoyment of the reading. An effort is made to develop the critical powers of the student and to sharpen his discernment of what is good. Reports, both oral and written, are made by the student on extensive outside reading.

4.—EXPOSITION. *One-half unit credit.*

Each Semester.

Prerequisite, courses 1, 2, and 3. The work done in this course is quite similar to that outlined for the composition work in course A for the fourth year's English work in the state course of study. Emphasis is placed largely upon oral and written explanations of things which the individual pupil is using in his life outside the English classroom or which appeal most strongly to his interest. Proper organization of material is made the dominant element in the course. This is stressed in the thoroughgoing work on paragraph development and the study of the entire theme. There is careful consideration of the gathering of material, the making of logical outlines, and the writing or speaking from these outlines. Well-edited magazines and newspapers are used almost entirely as models in the study of applying the principles of rhetoric to composition.

5.—DRAMA AND POETRY. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisite, courses 1, 2, and 3. This course is practically the same as that outlined for the third year's work in literature in the state course of study. Three or four plays are carefully studied in class, and others are assigned for outside reading. The plays are approached as much as possible from the viewpoint of presentation. The general artistic and moral effect sought by the dramatist is emphasized, and textual criticism is reduced to a minimum. Pleasure and satisfaction from reading the plays is sought rather than scholastic information in regard to structure and sources. An effort is also made in this course to develop some appreciation of the lyric. The whole field of poetry in English and American literature may be drawn on for material, but the principal stress is placed on poems that deal with conditions and emotions familiar to the students, hence with modern poems.

6.—NOVEL AND ESSAY. *One-half unit credit.*

Each Semester.

Prerequisites, courses 1, 2, and 3. This course covers the work outlined in literature for the second year in the state course of study, but is somewhat broader in its scope. Special emphasis is placed in this course on modern essayists and novelists, the aim being to train the student to discriminate intelligently in his present-day reading, and appreciate and enjoy real literature. The great works of authors of the past, however, are also studied.

7.—ARGUMENTATION. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisites, courses 1, 2, and 3, and two semesters of literature. As Argumentation is made the final course in English, it serves as a review of constructive work as well as a study of argument. Considerable emphasis is placed upon practical phases of writing, such as business and social correspondence. Various forms of written argument are considered, but most stress is laid upon oral types, informal discussions as well as formal debates on subjects of current and school interest being used. Well-edited magazines are made a basis for some of this work.

Geography.

Miss ATWOOD.

PHYSIOGRAPHY. *One-half unit credit.*

First Semester.

A study of land forms and of the atmosphere, of the agencies that have affected the earth's features or that are now changing them. Attention is always given to geographic influences upon life and upon history. The laboratory work consists of the study of topographic maps, visits to the museum, and field trips.

POLITICAL GEOGRAPHY. *One-half unit credit.*

Second Semester.

A general course in common-school geography, made more intensive than is ever possible in the grades. This course is a study of the most important countries of the world. Emphasis is laid on the physical basis for the development of the agriculture of any nation, and a knowledge of natural resources as a basis for industrial development. Many special references are given.

COMMERCIAL GEOGRAPHY. *One-half unit credit.*

Summer Term, and First Semester.

A study of the world's chief commercial commodities and the factors influencing their production, distribution and development. Text, Robinson's Commercial Geography.

Government.

Miss BROGAN.

A practical and, as far as possible, a first-hand acquaintance with the actual working of our government in its local, state and national phases is the aim of this work. It is felt that the student can begin to study most intelligently that form of government which he sees in daily manifestation close at hand. As a consequence he begins with the township and city. A study of their government acquaints him with many things connected with the state government. This, in turn, gives him a basis which enables him to interpret what he finds in the national government.

The fact that our government is constantly changing is kept before the classes in this work, by careful attention to newspapers and magazines in their discussion of various problems and how they are being dealt with in the various departments of our government.

GOVERNMENT. *One-half unit credit.*

Summer Term, and Each Semester.

The work begins with a short study of township government in connection with conditions in rural communities. City government is then taken up; some of the problems of cities are studied in connection with visits to the city offices. This is followed by a more extended study of the county government. Here again the classes visit the offices they are studying. The remainder of the term is devoted to the state government. The second term of the semester takes up the historical development of the constitution of the United States, followed by a study of the legislative, executive and judicial departments of the national government. By careful division into legislative, executive and judicial groups, the members of each class are given a better insight into the actual processes of legislation and administration.

COMMUNITY CIVICS. *One-half unit credit.*

Summer Term, and Second Semester.

Elective. This course may be substituted for course 1. The feeling that merely studying the constitution does not help much to make good citizens has long been growing. One test of the value of a subject in the high-school curriculum is how it functions in the life of the students. The State Normal Training High School was probably the first in the state to offer this work in community civics. Most earnest efforts are made to have the student see the importance of local regulations and his relation and responsibility in connection with them. He lives his life in a community; he should know what it demands of him, and what he should expect from it.

The work of this course consists of a study of local affairs. It is conducted by personal visits and investigations. In every possible way the members of the class are given an opportunity to see how local community and governmental affairs are actually carried on. The court room, the city and county offices, the streets and roads, the waterworks, etc., are the laboratories for this work. Local government, *i. e.*, township, city and county, receive most careful consideration. The state and national governments come in for attention near the close of the semester in the group work described above in course 1. Special problems, such as franchises, municipal ownership, health regulation and immigration, are studied by the debate method. The aim of the course is to turn out citizens who will have an active interest in the affairs of the communities into which they may go.

American History.

Miss MINROW.

AMERICAN HISTORY I. *One-half unit credit.*

Each Semester.

The founding of the republic, 1492-1817. The most important discoveries and explorations, with the European conditions leading up to them, are considered extensively. Virginia and Massachusetts are studied thoroughly as types, the other colonies only in their contributions to later movements and institutions. Both the Revolu-

tionary War and the War of 1812 are studied from the standpoint of cause and effect. Particular emphasis is placed on the social and political development of the colonies and states during this period. Text: Muzzy's American History.

AMERICAN HISTORY II. *One-half unit credit.*

Summer Term, and Each Semester.

This course covers the period from 1817 to the present time, and deals with the development of national policies, with the struggle between national and state interests, and with the social and political problems leading to the Civil War. Emphasis is laid on the cause, result and principal events of this war. Reconstruction and its problems are studied from the standpoints of both the North and the South, and students are sometimes referred to the text in American history officially approved by the Confederate Veterans' Association, that they may see how the men of the South looked at national policies during the days of struggle and now. The major part of the last half of the course is devoted to events of recent years, as the Spanish-American War, colonial possessions and their problems, civil service, immigration, Panama canal, trusts, and changes in political parties. Text: Muzzy's American History.

CURRENT EVENTS. *One-half unit credit.*

Each Semester.

The department has found this course essential to students of high-school age. These students often have only textbook knowledge and care little for reading of the conditions and problems of the present time. This course gives them an opportunity to become interested in topics of general knowledge and culture. The course is based upon articles in the leading newspapers and periodicals, and is not confined exclusively to historical subjects, but to all items of general information.

European History.

Miss BROGAN.

ANCIENT AND MEDIÆVAL HISTORY I AND II. *One unit credit.*

Throughout the year.

This course covers the essentials of the history of the Oriental nations and takes a more detailed study of Greece and Rome. It carries the work through the period of Charlemagne, the barbarian invasions, and the nationalization of Europe, closing with the year 1700.

MODERN HISTORY I AND II. *One unit credit.*

Throughout the year.

Course I traces the history of Europe from 1700, through the Industrial Revolution and the French Revolution to the Congress of Vienna, 1815.

Course II begins with 1815 and makes a careful study of modern nations. Special emphasis is laid upon the history of the past fifty years, and the relations of the nations up to the present time. Current history is an essential part of both courses offered.

ENGLISH HISTORY. *One-half unit credit.*

Summer Term.

This course is offered especially for those who wish to qualify for a first-grade county certificate. It is recommended also to students who wish to know the origin of our own democratic institutions and ideas and the forces and principles underlying them.

Home Economics.

One semester each is given to art and science of home making. The work in each is given for two hours daily, from 2 to 3:50 p. m., and offers one-half unit credit.

DOMESTIC ART. *One-half unit credit.*

First Semester.

The course includes hand and machine sewing, pattern drafting, making of undergarments, study of color and design, adaptability of style to individuals, making of one dress. Deposit, 50 cents.

DOMESTIC SCIENCE. *One-half unit credit.*

Second Semester.

The course includes a study of foods, selection and preparation of foods, serving, dining-room and table equipment. Laboratory fee, $4.

Latin.

MR. BLACK.

The aim of the courses in Latin is to acquaint the student with the life, language and civilization of the Roman people. The great civilization centering in the "Eternal City" from which come modern law, military tactics, great literature and the abundant enrichment of the English language is fundamental in the interpretation of modern life. No subject in the curriculum is so basal to the work of every other department.

BEGINNING LATIN I. *One-half unit credit.*

Each Semester.

The course completes one-half the text, with attention to declensions, conjunctions of the indicative mode, comparisons, etc. Stories from mythology and legendary Roman history are introduced early. The subject is correlated with English grammar, and thereby the student is made more familiar with his mother tongue. Open to students without previous knowledge of Latin. Text: Smith's Latin Lessons.

BEGINNING LATIN II. *One-half unit credit.*

Second Semester.

Last half of the Smith text completed. Special attention is given to the subjunctive and to reviews. The course concludes with some of the easier selections from Cæsar's Gallic War. Open to those who have had Latin I and to those who desire a review.

CÆSAR I. *One-half unit credit.*

Each Semester.

A study of Books I and II. The present World War has for its western campaign practically the same theater as that of the first three campaigns of Cæsar in Gaul. In this respect the two wars are kept constantly correlated. The masterful generalship of Cæsar affords great interest. The student learns that the Teutonic ambition for territory westward is by no means recent. This course affords a basis for extended translation, with stress laid on case usage. Text: Walker's Cæsar, Bennett's Grammar, Bennett's New Latin Composition, Part I.

CÆSAR II. *One-half unit credit.*

Summer Term, and Second Semester.

Books III and IV of the Gallic War. Prose composition continued from Cæsar I. The principles of Latin syntax are more firmly grounded, especial attention being given to the modes. Cæsar's Gallic campaigns and the initiatory campaign in Britain mark the advent of the Roman element into French and English civilization. Texts: Same as for Cæsar I.

CICERO I. *One-half unit credit.*

First Semester.

The four orations against Catiline. Ciceronian eloquence and its influence on modern oratory. The conspiracy of Catiline with reference to Roman social and political life and comparisons with modern social conditions. Careful study of syntax, with especial attention to conditional sentences, analysis of each oration and prose based on the text. Texts: Bennett's Cicero, Bennett's New Latin Composition, part II.

CICERO II. *One-half unit credit.*

Second Semester.

Orations for Pompey, Archias and Marcellus. An investigation of Roman political institutions and advanced study of syntax. Prose composition continued. Texts: Same as for Cicero I.

VIRGIL I. *One-half unit credit.*

Summer Term, and First Semester.

The translation of Books I to III of the Æneid. The beauty of ancient literature, the rhythmic movement of the hexameter and the poetic nature of Roman life reach their highest form in this great epic. Some study of scansion and mythology; short papers and reports on related topics. Text: Knapp or Bennett.

VIRGIL II. *One-half unit credit.*

Second Semester.

Translation of Books IV to VI, inclusive. Supplementary mythology. The author's place in literature. The Æneid as a whole. Papers and reports.

Mathematics.

Associate Professor ELLIS.
Mr. KELLER.
Miss HANSEN.

HIGH-SCHOOL ARITHMETIC. *One-half unit credit.*

Summer Term, and Each Semester.

Drill in the fundamentals with integers and fractions, common factors and multiples, and square root. Denominate numbers, including the metric system. The fundamentals of mensuration: *i. e.*, area of square, rectangle, parallelogram, triangle, trapezoid, and circle; volume of rectangular solid, pyramid, prism, cylinder, cone and sphere. Pythagorean proposition and its applications. Problems in analysis and simple proportion, and its general applications to concrete problems. Percentage and its general applications. Business applications of percentage, interest, commercial discount, bank discount, commission, taxes, insurance, stocks and bonds. Longitude and time.

ALGEBRA I. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisite, course 1, or a good foundation in arithmetic. The notion of general number developed through formulas; *e. g.*, i = prt, d (distance) = rt. Positive and negative numbers, their sum and their difference. Exponents and their laws, the four fundamental operations and factoring. Linear equations in one variable. Applications.

ALGEBRA II. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisite, course 2. Factoring, solution of equations by factoring; fractions and fractional equations. Systems of linear equations and graphs. Square root, surds and the simple facts of imaginary numbers necessary to the quadratic equation. Quadratic equations solved by the three methods, with applications. Ratio and proportion.

PLANE GEOMETRY I. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisite, course 3. Triangles, parallel lines, quadrilaterals, polygons, loci and circles. Methods of attacking exercises.

PLANE GEOMETRY II. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisite, course 4. Ratio and proportion, similar figures, areas, regular polygons and circles. Applications of geometry to practical problems.

SOLID GEOMETRY. *One-half unit credit.*

Summer Term, and Second Semester.

Prerequisite, course 5. Elective in secondary school. For description see course 4 under Collegiate Mathematics.

ADVANCED ARITHMETIC. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisites, one year each of algebra and geometry. For description see course I under Collegiate Mathematics.

ALGEBRA III. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisite, course 5. For description see course 3 under Collegiate Mathematics.

Modern Languages.

Professor DUDLEY.
Associate Professor BROOKOVER.
Miss STADLER, Instructor.

Language study belongs to the high school rather than to the college, because it calls to a great extent for memory and imitation. The pupil will save time in the end by devoting as early a period of his school life as possible to language study, and by leaving the sciences to a relatively later period. The drill in accuracy, observation and analysis required in language work will be a strong aid in later work in science.

The study of a foreign language has one or more of three main values: Disciplinary, cultural, and practical. To give a sentence correctly in a foreign language requires accuracy and rapidity of thought, close observation, and careful analysis of both foreign and native lan-

guage, for each word must be correct in itself and have the proper place in relation to other words in the sentence.

ELEMENTARY FRENCH I. *One-half unit credit.*

Each Semester.

No prerequisite. Texts: Fraser and Squair, Shorter French Course to lesson XX; Snow and Lebon, Easy French to page 42. Through the entire semester careful drill on the French sounds and their formation in the pronunciation of words, with practice in writing words in phonetic script and drill in reading sentences for sentence stress. Vocabulary building is one of the chief aims of the semester. The work is done largely in French.

ELEMENTARY FRENCH II. *One-half unit credit.*

Second Semester.

Prerequisite, Elementary French I, or its equivalent. Texts: Fraser and Squair, Shorter French Course to lesson XXXIX; Snow and Lebon, Easy French finished; Aldrich and Foster's French Reader, part I. About 60 pages read in the two readers. Drill in pronunciation, phonetics and reading continued. Mostly in French.

INTERMEDIATE FRENCH I. *One-half unit credit.*

Each Semester.

Prerequisite, one unit of high-school French. Fraser and Squair, Shorter French Course to lesson LXIII; finish Aldrich and Foster's French Reader. From 100 to 125 pages are read. Phonetic drill and reading is continued. Dictation and reproduction of simple French is an important part of the semester's work. A few poems are memorized. Work done mostly in French.

INTERMEDIATE FRENCH II. *One-half unit credit.*

Second Semester.

Prerequisite, one and one-half units of high-school French. Fraser and Squair, Shorter French Course, finished. From 100 to 125 pages are read from the following classics: Malot's Sans Famille, Moinaux's les deux Sourds, Halevy's L'Abbe Constantin, Labiche's Le Voyage of M. Perrichon. The dictation and reproduction of assigned portions of the story is a part of the semester's work. Several poems and songs are memorized. A simple, short play will be memorized and given.

ELEMENTARY GERMAN I. *One-half unit credit.*

Summer Term, and Each Semester.

Allen's Daheim. Spanhoofd's Elementurbuch der Deutschen Sprache to lesson 14.

ELEMENTARY GERMAN II. *One-half unit credit.*

Each Semester.

Spanhoofd's Elementurbuch der Deutschen Sprache completed. The central idea of this work in the first year of German is to introduce the pupils to a foreign language in the easiest and most natural way, *i. e.*, by speaking and hearing it. The composition work will consist mostly of simple original sentences, gradually working into complex sentences.

Music.

Three units credit in music may be offered toward high-school graduation. A minimum of one-half unit of credit in music may be offered for graduation; one unit is better.

ELEMENTARY SIGHT SINGING. *One-half unit credit.*

Summer Term, and Each Semester.

This course introduces all the essential rudiments and aims at ability to read music in the treble clef accurately at sight.

INTERMEDIATE SIGHT SINGING. *One-half unit credit.*

Summer Term, and Each Semester.

Elementary music or its equivalent required for admittance. This course introduces more difficult music, bass clef, and four-part singing.

RURAL-SCHOOL MUSIC. *One-half unit credit.*

Summer Term, and Each Semester.

This course deals with the subject matter and methods of public-school music for ungraded and small schools in third-class cities. Drill in rhythm and intervals and individual singing are included.

APPLIED MUSIC (PIANO, VIOLIN, VOICE, ETC.). *One-half unit credit.*

Summer Term, and Each Semester.

Thirty-six lessons, with adequate practice and satisfactory progress. Individual instruction in voice, piano, violin and all orchestral and band instruments may be obtained upon application to the Director of the School of Music. Rates, $13.50 to $18 per term of 18 lessons. A special rate of $10.50 for 18 lessons is made to high-school students who are beginning piano, voice or violin. Boys' High-school Glee Club, Girls' High-school Glee Club, High-school Orchestra and the Normal Band are open to all qualified students.

MUSIC APPRECIATION FOR BEGINNERS. *One-half unit credit.*

Summer Term, and Each Semester.

Open to nonmusic students or those who are not specializing in music. The purpose of the class is to acquaint students with standard vocal and instrumental compositions and enable them to listen with discrimination. Students are afforded opportunity for laboratory study of phonograph records and pianola rolls.

Physical Training.

FOR MEN.

Gymnasium Costume.—The regulation costume is worn in all classes. It consists of a white sleeveless shirt, white track pants and white tennis shoes. The suit complete can be secured from local dealers at a cost of two and one-half dollars.

The student in the Normal Training High School of the Kansas State Normal has an ideal opportunity for education in physical training. He has access to one of the finest gymnasiums in the state. In this building, with its patent running track, four basket-ball floors, two apparatus floors, wrestling, fencing and boxing rooms and swimming pool, are eight fully trained instructors, two of whom have special charge of the work for the Normal Training High School.

Adjoining the gymnasium is the best athletic field in the state, with a cinder quarter-mile track and a two-hundred-and-twenty-yard straightaway, a football field, four baseball diamonds, and nine tennis courts. One section of this field is set aside for the use of the girls, and is equipped for playground ball, cross ball, soccer and other courts for outdoor sports.

The students of the Normal Training High School have their own athletic association, and put out teams in all the major sports. These teams have the advantage of professional instruction by college coaches and are generally successful. The association adopted as their honor letter a six-inch block "N" which is given to men who distinguish themselves in athletics.

Required.—Three hours a week for four semesters. The credit given will count as half a unit toward graduation and the one-year state certificate, and for the high-school diploma, but not for college entrance.

As the work in physical training varies with the season, the semester is divided into two terms of nine weeks each. Work must begin upon entering school; and the student is required to complete it during the first two years unless he is excused by the Director. As the midwinter is best for gymnastic work and the fall and spring for athletic sports, the student is advised to take his work in that order.

2.—ELEMENTARY GYMNASTICS. Marching tactics, free-hand and light apparatus exercises and gymnastic games. Special attention is given to the correction of faulty posture and carriage of the body.

3.—INTERMEDIATE GYMNASTICS. Body-building and corrective exercises, gymnastic dancing steps, heavy apparatus exercises, and elementary tumbling.

4.—ADVANCED GYMNASTICS. Offered the third and fourth terms to those prepared to take up athletics and folk dancing, individual and companion tumbling, and difficult exercises upon the heavy apparatus.

8.—FOOTBALL. Given during second ten weeks only, to men in good physical condition as shown by physical examination. The squad is divided into teams according to ability.

9.—SOCCER FOOTBALL. Given in season. Individual and team practice. Valuable both as a vigorous game demanding speed and endurance, and as a preparation for track athletics and basket ball.

10.—BASKET BALL. Classes are organized each semester of the year. The A. A. U. game is taught to elementary classes and the intercollegiate game to the first and second teams. An interclass series is played.

11.—BASEBALL. Given in season. Individual and team practice. The squad is divided into teams graded according to ability.

12.—TRACK AND FIELD ATHLETICS. Given in season, only to men in good physical condition as shown by physical examination. Cross-country running is given in season.

13.—TENNIS. Given in season. Tournaments in both singles and doubles are held during first and fifth ten weeks.

14.—SWIMMING. Elementary and advanced instruction is given throughout the year.

FOR WOMEN.

The aim of this department is twofold:

First, to bring each student to her best possible physical condition, and by a careful system of gymnastic training to correct faulty posture and carriage, to aid in the formation of habits of hygienic living, to establish

a normal condition in the circulatory and respiratory systems, to secure bodily vigor, and to obtain a healthful and symmetrical development, rather than to secure the greatest increase in muscular power.

Students are under the care of teachers who have had thorough medical training, and will be given special medical or corrective exercises prescribed according to individual needs as indicated by their physical examinations.

In order that the effect upon the muscles may be lasting and best results obtained, students will not be excused from physical training until the required courses are satisfactorily completed, but the work will always be adapted to the individual needs.

Second, to qualify as teachers to intelligently consider the physical needs of their pupils, and to direct in the schoolrooms daily exercises which will prevent or help to correct physical defects; also to teach in their playground, athletics, games, and folk dances.

Required.—Three periods of work per week in gymnastics, athletics, or other elective work during the first two years of work in residence gives one-half unit credit, which may apply on requirements for graduation and one-year state certificate, and for the high-school diploma, but not for college entrance.

Of this requirement, one-fourth must be in athletics or other elective work, but the other three-fourths must be regular gymnasium class work, which consists of marching tactics, free-hand or light hand-apparatus exercises, games or fancy steps. A semester of gymnastics must be completed before a student may substitute elective work.

Gymnasium Costume for Women.—A regulation costume is worn in all the classes. This consists of a black serge gymnasium suit and broad-toed tennis shoes. In order that the suits may be uniform and hygienic, students, on arrival, are advised to report to the Director's office, where second-hand suits of outgoing students will be sold for about four dollars, or new ones may be ordered for five dollars. Only regulation suits will be allowed on the floor.

2.—ELEMENTARY GYMNASTICS. Required of all beginners. Three periods a week.

3.—INTERMEDIATE GYMNASTICS. Required of all students who have completed course 2. Three periods a week for at least one semester.

4.—ADVANCED GYMNASTICS. Open only to students who have passed course 3 with high grades and are physically adapted to apparatus exercises.

7.—CORRECTIVE GYMNASTICS. Open to all students who have need of remedial work. Special attention is given to those having spinal curvature, round shoulders, narrow chests, forward heads, weak back, pronated ankles or other physical weaknesses.

8.—OUTDOOR SPORTS. Open to all students who have completed one semester of gymnastics. Three periods a week, in the spring and fall. In this course are taught a variety of games, including baseball, soccer, playground ball, cross ball, track athletics, and relay racing.

9.—SOCCER. Open to students who have passed one semester of gymnastics. One period a week for the first half of the first semester.

10.—BASKET BALL. Open only to students who are physically qualified and who have completed course 2. One period a week.

11.—BASEBALL. One period a week in the second half of the second semester.

12.—HOCKEY. One period a week in the spring and fall.

13.—TENNIS. Open to all students having a privilege of electing athletics. One, two, or three periods a week.

14.—SWIMMING. One lesson a week is allowed each student.

26.—ESTHETIC DANCING. (Elementary.) Two periods a week. The purpose of this course is to develop grace and freedom of movement. The classic dancing is emphasized and is now considered one of the most important phases of gymnastic exercises.

27.—FOLK DANCING. (Elementary,) One period a week. In this course are taught the simple peasant and national dances suitable for recreative and exhibition work with children.

28.—ESTHETIC DANCING. (Intermediate.) One period a week.

29.—FOLK DANCING. (Intermediate.) One period a week.

35.—INDIAN CLUBS. One period a week.

36.—CROSS BALL. One period a week.

Physics.

MR. VAN VORIS.

PHYSICS I. *One-half unit credit.*

Summer Term, and Each Semester.

Properties of matter, motion; characteristics of liquids and gases, work, energy, and heat. The needs and interest of the pupil are kept constantly in mind. The subject is adapted to the pupil instead of adapting the pupil to the subject. During the year the class visits the ice plant, gas works, street railway and railroad car shops, foundry, steam and water mills, telephone exchange, waterworks, heating and ventilating plants, and such other places of interest as opportunity offers.

PHYSICS II. *One-half unit credit.*

Summer Term, and Each Semester.

Magnetism, electricity, sound and light. Students having special aptitude are given opportunity to do extra work, such as making motors and dynamos, batteries, erecting telephone and telegraph systems, and wireless telegraph stations. They study and test the efficiency of machines, hot-air and gas engines. An abundance of apparatus, selected with reference to the needs of the pupils, is used by the instructor in demonstrating the class work and by the pupils in the laboratory. Text: Black and Davis's "Practical Physics."

Household Physics.

Mr. VAN VORIS.

Open to young women, especially those taking Domestic Science. May be taken instead of the regular Physics I and Physics II with the consent of the instructor. The class visits many places of interest during the year. Laboratory work accompanies each course. Text: Lynde's "Physics of the Household."

HOUSEHOLD PHYSICS I. *One-half unit credit.*

Summer Term, and First Semester.

Light, heat and sound, in their relation to the home. The construction, operation and efficiency of steam cookers, fireless cookers, water heaters, vacuum bottles, refrigerators and as many other appliances as possible are studied under the subject of heat. Light and sound are treated in a similar way.

HOUSEHOLD PHYSICS II. *One-half unit credit.*

Second Semester.

Magnetism, electricity and mechanics practically applied. A study of carbon and tungsten lamps, many heating and cooking utensils, door bells, telephones, burglar alarms, meters, and a large number of mechanical devices constitute this course.

Physiology.

Miss HOWAT.

HYGIENE PHYSIOLOGY. *One-half unit credit.*

Summer Term, and Each Semester.

A good working knowledge of anatomy and physiology is given the student, but special emphasis is placed upon hygiene in all its phases. The pupil is taught those conditions that tend to the best development and health. To this end the subjects of food, circulation, respirations, excretion, exercise, athletics etc., are considered, with special reference to the needs of the individual. The cause, prevention and treatment of the more common diseases are quite fully treated. The aim of this course is to enable the pupil to care for his body properly rather than to commit to memory a large number of technical terms or even to be able to write a specified number of rules of health. Conn and Budington's Advanced Physiology and Hygiene.

Psychology.

Mr. SMITH.

ELEMENTARY PSYCHOLOGY. *One-half unit credit.*

Summer Term, and Each Semester.

Psychology is taught from the point of view of the intending teacher, and as many as possible of the illustrations and applications of the various subjects discussed are drawn from the schoolroom and its problems. Pupils are asked always to draw their illustrations from their own experience, and to test and prove whether or not the deductions of the author studied are correct. Frequent practice in introspection is given. Text: Phillips: An Elementary Psychology.

School Administration.

Professor CULTER.

GRADES SCHOOL MANAGEMENT. *One-half unit credit.*

Summer Term, and Each Semester.

This course will be open to students of the secondary school who have had two or more years of experience as teachers in rural or graded schools, and to such students only. It will be conducted as a rapidly moving class. While this will be a general course, considering the work in both graded and ungraded schools, the emphasis will be placed on conditions as found in the village and small city school. Colgrove's The Teacher and the School will be used as a textbook.

RURAL-SCHOOL MANAGEMENT. *One-half unit credit.*

Summer Term, and Each Semester.

This course is organized for secondary school students who expect to do more or less teaching before entering their college work. It consists of a study of school site and grounds, house and equipment, school hygiene and sanitation, preparation and personality of the teacher, first day, daily program, play and playgrounds, school government, school incentive, school ethics, the recitation, how to study, library and its use, agriculture in the country school, consolidation and rural-school problems.

SUMMARY OF STUDENTS.

GRADUATE STUDENTS.

* Summer School, 1917.

*Adair, M. Emma; Garnett.
*Adams, Alta Mary; Emporia.
*Arndt, Elmer R.; Nickerson.
*Bachman, George F.; Halstead.
*Baker, Annie Florence; Topeka.
Bixler, Mrs. W. S.; Emporia.
Blackburn, Olive; Holton.
*Bright, Alice; Emporia.
Buchheim, Elsie Luella; Winkler.
*Clymer, Ruby; Emporia.
*Cross, Maude L.; Emporia.
Darrough, Abbie May; Emporia.
*Davis, Mary Estella; Nickerson.
*DeLashmutt, Walter Frank; La Crosse.
*Dillard, Mary Jane; Lawrence.
*Dunsworth, John; Emporia.
*Ericson, A. Hattie; Lindsborg.
*Funk, Peter C.; Madison.
*Givin, Grace Eleanor; Emporia.
*Haigh, Alice L.; Baldwin.
*Hancock, Ella May; Emporia.
*Hartwig, Fred W.; Humboldt.
*Haynes, Edith; Emporia.
*Haynes, Helen A.; Emporia.
*Haynes, Violet May; Emporia
*Hege, Helen; Emporia.
*Henderson, Lewis E.; Richmond.
*Henry, Mrs. J. Wray; Cottonwood Falls.
*Hestwood, Ottis C.; Wichita.
*Hinkle, Elmer D.; Emporia.
Jones, Elizabeth Ellen; Emporia.
*Keyes, Martha; McPherson.
*Kirkwood, Nina; Marysville.
*Lindsay, Margaret; Emporia.
*Lipper, Fred W.; Randall.
*McCormick, Jessie; Bonner Springs.
*McGee, Emma Jane; Wichita .
*Malm, Viola Gertrude; Lindsborg.
*Moore, Amy Irene; Gardner.
*Nichols, M. Edna; Kansas City.
*Peck, Ruby May; Garnett.
*Peters, James; Emporia.
*Peters, Mrs. Lillie Newbry; Emporia.
Phenice, Mary Kathryn; Reno.
*Rich, Elsie; Emporia.
*Richards, Beatrice M.; Emporia.
*Riggs, Janet; Murdock.
*Sister M. Josepha; Leavenworth.
*Sloan, James C.; Eskridge.
*Smith, Golden; Sterling;
*Swan, Mary C.; Emporia.
*Tempero, Edith; Clay Center.
*Treadway, Florence; Emporia..
*Trueblood, Kyle; Wichita.
*Wells, Jessie Craig; Emporia.
*Williams, F. F.; Beloit.
*Woodruff, Albert Earl; Clyde.
*Zavodsky, Elmer E.; Cuba.

THE COLLEGE.

COMPLETED WORK FOR DEGREE OF BACHELOR OF SCIENCE IN EDUCATION, JULY 27, 1917.

Bergman, Frank; Augusta.
Berner, Jouetta F.; Wamego.
Borror, John Harrison; Eskridge.
Bradfield, Le Roy; Utica.
Brock, Ernest G.; Leon.
Cole, Richard E.; Emporia.
Cook, Gracia; Parsons.
Crandall, Gertrude; Clay Center.
De Voss, Lewis Earl; Emporia.
Dewey, Delmer R.; Chanute.
Eccles, Eveline; Hutchinson.
Geary, Sister Mary Josepha; Leavenworth.
Gepharte, Elden E.; Emporia.
Gower, Frances; Russell.
Hall, Clifford; Emporia.
Henderson, Clara Gladys; Meriden.
Hogue, William H.; Leon.
Hyames, Frank H.; Lakin.
Hunsaker, Lora Lucy; Atlanta.
Johnson, Elizabeth A.; Emporia.
Kappelman, G. Benjamin; Morganville.
Kratochvil, Emil; Clay Center.
Luehring, Herman W.; Hanover.
McCluney, Roxilla M.; Wichita.
McConnell, William W.; Council Grove.
McDowell, Sadie; Emporia.
McGrath, Alice; Waverly.
McIntosh, Benjamin Harrison; Lost Springs.
Meairs, Clifford Rufus; Dodge City.
Melbert, Setha; Gypsum.
Morton, Flora H.; Emporia.
Moyer, Bertha Mary; Emporia.
Pace, J. Gage; Mound City.
Payne, John Howard; Emporia.
Peterson, Daniel; Atlanta.
Perkins, Glen O.; Meade.
Pierson, Wren; Emporia.
Reser, Antoinette; Bigelow.
Rogler, Emily; Matfield Green.
Simpson, Margery; Attica.
Smiley, Pearl; Silver Lake.
Smith, Helen Margueretta; Lincoln.
Spradling, Ethel Rowena; Severance.
Traxler, Edwin C.; Emporia.
Ward, Cora Voy; Arkansas City.
Wiles, Jennie; Canton.
Kinley, Eva G.; Topeka, Sept. 1, 1917.
Hall, Thomas Newton; Emporia, Sept. 14, 1917.
McCollum, Beatrice Montez; Santa Fe, Dec. 31, 1917.
Smith, Gailord; Florence, Dec. 31, 1917.

CANDIDATES FOR DEGREE OF BACHELOR OF SCIENCE IN EDUCATION, MAY 22, 1918.

Akers, Mrs. Mabel; Topeka.
Armstead, Lucile; Emporia.
Boal, Mary S.; Clifton.
Brown, Sara Elizabeth; Caldwell.
Davis, Nannie Lee; Clearwater.
Decker, Albert I.; Fredonia.
Dilsaver, Fannie; Athol.
Dunn, Perry K.; Jetmore.
Eakes, Alice; Caney.
Englund, Sigrid; Falun.
Fessenden, Elsie May; Wichita.
Fox, Marticia Eva; Emporia.
Frazier, William R.; Marion.
Goodell, Theresa; Colony.
Gower, Marie; Russell.
Green, Roy V.; Le Roy.
Harlan, Marie; Emporia.
Hasper, Elizabeth; Emporia.
Haynes, Mabel Graham; Emporia.
Hembling, Mrs. Nina Clark; Emporia.
Henline, Lottie Leota; Arkalon.
Howard, Hazel M.; Emporia.
Hunter, Myrtle Catherine; Emporia.
McGill, Belle Carrie; Colony.
McLindon, Mary Margaret; Williamsburg.
Major, Ruth Eveline; Medicine Lodge.
Monroe, Lena P.; Emporia.
Morgan, Elizabeth Helen; Emporia.
Nesbitt, Susan; Burlington.
O'Connel, William Valentine; Belle Plaine.
Pyle, Fern D.; Emporia.
Quinn, Josephine; Elwood.
Rector, Eva Gertrude; Emporia.
Rich, Birdie Lucile; Emporia.
Rees, Olive Ann; Emporia.
Richey, Charles M.; Emporia.
Tolin, Ernest; Soldier.
Scheer, Emily Adelle; Topeka.
Stevens, E. R.; Parsons.
Wachter, Mary; Emporia.
Waldron, John Harley; Emporia.
Wallace, Roy; Emporia.
Wilks, Alice; Emporia.
Wilson, Virginia Alice; Emporia.
Wooster, David T.; Emporia.

CANDIDATES FOR DEGREE OF BACHELOR OF SCIENCE IN EDUCATION, JULY 26, 1918.

Armour, Isa; Strong City.
Brown, Elizabeth T.; Emporia.
Brown, Harry Holmes; Piqua.
Brown, Leroy Earle; Attica.
Bursch, Charles Wesley; Buffalo.
Conrad, Effie Constance; McPherson.
Dixon, John A.; Leon.
Dixon, Nellie May; Leon.
Dotson, Mary Katheryn; Newton.
Geelan, Norah; Lecompton.
Giffin, Fred Raymond; Centerville.
Harr, Mabel Alice; Emporia.
Hunt, Roy C.; Narka.
Jarus, Edward; Emporia.
Jones, Esther Marscena; Emporia.
Lore, Marjorie; Emporia.
McGuire, Harry; Valley Falls.
McNeil, Floyd Avery; Beattie.
Mayberry, Mignon; Emporia.
Miller, Ramona; Council Grove.
Rostetler, Frank Lawrence; Fairview.
Rostetler, Mrs. Madge Moore; Altoona.
Rufi, John; Kansas City, Mo.
Sharp, Lloyd Burgess; Carbondale.
Socolofsky, A. L.; Tampa.
Stubbs, George; Hartford.
Thompson, Ivalue; Wichita.

COLLEGE SENIORS NOT COMPLETING WORK FOR DEGREE OF BACHELOR OF SCIENCE IN EDUCATION.

Abrams, Dorothy Armena; Emporia.
*Atkeson, George L.; Altoona.
Ayers, Beulah Maude; Horton.
Barber, Austin B.; Pleasanton.
Baugh, Clarence M.; Emporia.
Bertschinger, Mary Louise; Hope.
*Bogue, Clara; Manhattan.
*Bowman, M. E.; Benedict.
*Brownell, Mrs. Helena; Emporia.
Bryan, Earl C.; Moran.
Coleman, Edna E.; Emporia.
Cox, Pearl; Wichita.
*Dickason, Essie M.; Emporia.
*Elvin, Cora; Toronto.
*Fitts, Iona; Reading.
*Fleming, Henry James; Sterling.
*Gantz, Ernest F.; Holton.
George, Mary; Emporia.
*Gibson, Everett A.; Gaylord.
*Gift, Mary Alice; Smith Center.
Gill, Carl Elmer; Sylvia.
Graves, Johnie Mae; Elk City.
*Grove, Leila M.; Edna.
Hanscome, Marcella Margaret; Lawrence.
Harper, Bertha; La Harpe.
*Haynes, Marie; Emporia.
*Herriford, Margie; Wichita.
Hetherington, J. Arthur; Emporia.
*Hetzel, Arthur J.; Emporia.
Hostetler, Ivan P.; Wetmore.
*Houston, Eula A.; Potwin.
Hunt, Walter T.; Galesburg.
James, Harry Raymond; Hartford.
Kaiser, Karl William; Halstead.
Kane, Mable Edna; Parsons.
*Kirby, Leslie N.; Humboldt.
*Kirby, Samuel S.; Emporia.
*Largent, Martha; Quenemo.
Lewis, William Earl; Crowley, Colo.
*Little, Lena; Holton.
*Luppy, Bessie J.; Caney.
McCrory, Maurice; Emporia.
McIntosh, Joseph L.; Lost Springs.
*Maxson, Mae; Emporia.
*Menehan, John; Beattie.
*Moore, Norman A.; Concordia.
Musch, Grace Margaret; Elmo.
Nanninga, Elizabeth J.; Emporia.
*Noyes, George Franklin; Kansas City.
*Petrie, H. Victor; Preston.
*Ramage, Alison; Pomona.
Reynolds, Icille Dorothy; Emporia.
*Richards, Marvin; Severy.
*Roberts, Maude E.; Williamsburg.
*Ross, Evelyn; Emporia.
*Rothrock, Reba; Culver.
Rowland, Mabel Edna; White Water.
Samuelson, Edith Ann; Axtell.
Sconce, Nellie Elizabeth; Lawrence.
*Shuey, Ada Retta; Emporia.
Smith, Glen W.; Washington.
*Smith, Lida May; Emporia.
Stanfield, James; Chanute.
Stout, Elsie Perle; Emporia.
*Tibbals, Mabelle Hattie; Emporia.
Watkins, Ethel May; Mont Ida.
*Weide, Juanita; Yates Center.
Welch, Francis G.; Hartford.
White, Mrs. Dessie; Winfield.
*Williams, Frank T.; Emporia.

COLLEGE JUNIORS.

*Adams, Ruby Mae; Wichita.
*Almquist, Edward C.; McPherson.
*Alsop, Ethelyn; Wakefield.
*Anderson, Mary Elizabeth; Alma.
Armour, Zelda M.; Strong City.
*Atherton, Sarah Ann; Emporia.
Bacon, Alyce; Emporia.
*Baldwin, Louis Floyd; Lyons.
Barlow, Mrs. Gertrude; Coldwater.
*Barnes, Bernice; Atchison.
*Barnes, Mrs. Rebecca; Emporia.
*Bedker, Mabel; Utica.
*Bereman, William Everett; Nickerson.
*Betz, Neva; Beloit.
*Bieberdorf, Lydia; Orlando, Okla.
*Bishop, Hazel; Emporia.
Blank, Helen; Emporia.
*Bonwell, Gladys; Emporia.
Boughton, Nellie F.; Emporia.
*Bradshaw, Clara Belle; Altoona.
*Breed, Lucy; Emporia.
*Brinkman, Mary; Americus.
*Bryant, Nellie; Lawrence.
*Campbell, Edith; Mulvane.
Cannon, John L.; Beattie.
Carlile, Amos Benjamin; Mound City.
*Carpenter, James M.
Carter, Mary I.; Minneola.
*Chaney, Helen; Burlingame.
Clayton, Carrie Estelle; Buffalo.
*Clements, Floyd; Emporia.
Coffman, Mrs. Aletha Morrow; Emporia.
Comegys, Helen Elizabeth; Ash Grove, Mo.
*Conner, Stanley; Lincoln.
*Cook, Hugh Oliver; Kansas City, Mo.
Cooper, Paul Baird; Emporia.
*Copeland, Helen; Quenemo.
Cremer, Raymond Griffith; Kansas City, Mo.
*Cromer, Etta Florence; Volland.
*Cromley, Kate; Mulvane.
Cross, Clarence Le Roy; Emporia.
*Cross, Mary Ethel; Emporia.
*Cunningham, Eva; Strong City.
*Dague, Viola May; Wilson.
*Dahm, Florence; Great Bend.
Davis, Mrs. Alida W.; Douglass.
Davis, Cecil Irene; Spearville.
Davis, Olive Lodosko; La Cygne.
*DeForest, Mary Augusta.
*Detlor, Grace; Grantville.
Devore, Earl R.; Cuba.
Dilley, Marjorie; Alta Vista.
Dorsey, Florence Aritha; Parsons.
*Doty, Frances A.; Sedgwick.
*Duer, Myrtle; Zenith.
Dutton, Thelma M.; Emporia.
*Eastman, Nellie; Emporia.
*Edwards, Anna Elizabeth; Emporia.
*Ellenberger, Doris; Emporia.
*Ellenberger, Lena; Emporia.
*Elliott, Mary M.; Emporia.
Fay, Agnes Elizabeth; Atchison.
*Feather, Marguerite; Liberal.
Filinger, William Henry; Cuba.
Finnerty, James; Hartford.
Fleming, Irene Elizabeth; Emporia.
*Fleming, J. Louise; Summerfield.
Floyd, Bessye; Emporia.
*Focht, Ralph William; Emporia.
Forman, Elizabeth Ann; Independence.
Friend, Sudie; Emporia.
*Frisbie, Fannie L.; Plainville.
*Froom, Clara; Vermillion.
*Froom, Hulda Olive; Vermillion.
*Gallagher, Edith; St. Joseph, Mo.
*Gallagher, Winifred; St. Joseph, Mo.
*Garrison, Arthur; Waverly.
*Gepharte, Anna Lenore; Emporia.
*Gepharte, Jessie; Emporia.
*Godsey, Edith; Emporia.
*Goessy, Ineza G.; Americus.
*Grady, Mary H.; Lansing.
Graham, Inez Ona; Neodesha.
Grant, Nell; Horton.
Gravatt, Roy; Emporia.
*Gregory, Abigail Catherine; Emporia.
*Grimsley, Bernice; Emporia.
Gufler, Augusta Agnes; Emporia.
Hall, Mrs. Mary Jane; Emporia.
*Harris, Hazel E.; Emporia.
*Harris, Nellie; Oak Valley.
*Hasper, Dorothy Mae; Emporia.
*Haxton, Nora; Chase.
*Held, Cora Emelia; Emporia.
*Herriford, Iona; Wichita.
Hetherington, Perle Clark; Emporia.
Hitchens, Perry Talmage; Burlington.
Hogue, Charles Francis; Leon.
*Holt, Vernon B.; Emporia.
Howe, Charlotte Elizabeth; Emporia.
Howell, Ruie Arena; Virgil.
*Hurt, Virgil E.; Americus.
*Hutcherson, Rose; Arnold.
*Hutchins, Lena; Ottawa.
*Iobe, Marie; Emporia.
*Jillson, Helen B.; Emporia.
*Job, Mabel; Wellsville.
Jones, Catherine Price; Emporia.
*Jones, Iowa; Beattie.
*Jones, Iva Pearl; Emporia.
Jones, Martha Pearl; Saffordville.
*Jordan, Elizabeth; Wichita.
*Kappelman, Otto; Leon.
*Keeling, Dolores B.; Ft. Scott.
*Keenan, Marie Elizabeth; Herington.
Kendrick, Rachel Adell; Densmore.
*Kennedy, Opal Jane; Lawrence.
Klein, Max H.; Glasco.
Klinefelter, Ada Irene; Cherryvale.
*Koebele, Apollonia; Burns.
*Konantz, Herbert; Emporia.
Kolstrup, Glenn Rowland; Fall River.
Kuller, Avis Myra; Emporia.
*Lanning, George B.; Emporia.
Larzelere, Margaret; Wathena.
Leatherman, Flora; Chapman.
*Lehman, Adin Floyd; Humboldt.
Lillie, Mattie Delene; Emporia.
*Lindsey, Marquis; Emporia.
Lyness, Bessie May; Walnut.
Lynn, Fred H.; Emporia.
*Lyon, Helen; Lincoln.
McAdam, Thomas Dunlap; Moran.
*McAnlis, William; Clay Center.
*McCabe, Jane; Onaga.
McCarty, Leona; Emporia.
*McClun, Blanche I.; Garnett.
*McComb, Mattie A.; Alma.
*McConnell, Donald A.; Council Grove.
*McConnell, Edith E.; Council Grove.
McEvoy, Jociphene; Harris.
*McIntire, Don H.; Byers.
McPherson, Glenn; Severy.
McPherson, Christine Jeanette; McPherson.
*Maher, Ruth; Osawatomie.
Maple, Violet May; Mulvane.
Mather, Estel Jane; Iola.
*Mayer, Grace; Lakin.
Meyer, Bernard August; Belpre.
Meyers, Mary Elizabeth; Belle Plaine.
*Miller, Fred L.; Olivet.
Miller, Ruth Moore; Emporia.
Misner, Frances Inez; Dodge City.
*Monroe, Lois Eunice; Waverly.
*Moxley, Harry F.; Osage City.
Muir, Maude; Gridley.

COLLEGE JUNIORS—*Continued.*

Murdock, Annie Maclaren; Edgerton.
Myer, Mrs. Ruth G.; Emporia.
*Nanninga, Kathryn; Emporia.
*Nelson, Effie M.; Vesper.
*Nincehelser, Agnes; Oskaloosa.
*Nincehelser, Nell; Oskaloosa.
Oliphant, Lucile; Arkansas City.
Orsbourn, Ethel Gertrude; Rantoul.
Ott, Rebecca Ellen; Hamilton.
*Paddock, Anabel; Emporia.
*Paine, Lita Mae; Admire.
*Palmer, H. Preston; Hope.
*Palmer, Ruth C.; Emporia.
*Patterson, Howard V.; Emporia.
Patterson, Mabel Mildred; Neodesha.
*Paxton, Mildred; Emporia.
*Payne, Dorothy; Emporia.
*Payne, Marguerite; Emporia.
*Pierson, Marie; Emporia.
*Pottorff, Minnie; Severy.
Pringle, Margaret Monroe; Rose.
*Quisenberry, Faye; Emporia.
Raymond, Rollin Arthur; Centralia.
*Rector, Clara M.; Emporia.
Rehm, Charles Hugo; Hutchinson.
Reilly, Lola; Iola.
*Reynolds, L. D.; Rush Center.
*Ridings, Ola M.; Salina.
*Riley, Le Roy; Wellsville.
*Rinehart, Charles H.; Arkansas City.
Ringberg, Florence Theodora; Roxbury.
Risinger, Lois Marjorie; Fredonia.
*Rioth, Marie; Shawnee, Okla.
*Robb, Susie; Salina.
Roberts, Grace; Council Grove.
Rogers, China; Manhattan.
*Rollman, Helen K.; Brookville.
*Root, Esther L.; Olathe.
*Rorabaugh, Pearl; Lebanon.
Rorick, Floyd O.; Scranton.
*Schell, May; Galena.
Schenck, Mina Margaret; Burlingame.
Scott, Harry Alexander; Parsons.
*Secrest, Cora; Coweta, Okla.
*Shemwell, Clifford E.; Norton.
*Shippy, Lina; Chapman.
*Shumate, Blanche; Eskridge.
*Shupe, Eldon E.; Lost Springs.
Sims, Elizabeth Armenta; Kansas City.
*Slater, Virginia Faye; Severy.
*Sloan, Jennie A.; Zenda.
Smith, Etta May; Enterprise.
Smith, Merl Grant; Florence.
*Stark, Leonard J.; Elk City.
Stark, Marion Franklin; Elk City.
Starkweather, Marie; Lawrence.
State, Mazella; Emporia.
*Stevens, Nora K.; Emporia.
*Stipp, Georgia; Wellington.
*Straight, Mary E.; Emporia.
*Strutzel, Martha; Olpe.
Taylor, Hazel Dora; Winfield.
*Taylor, Katherine; Emporia.
*Templer, Chester A.; Emporia.
*Thompson, Carrie Edith; Waverly.
*Thompson, Helene M.; Marysville.
Thompson, Lawrence L.; Wamego.
Thompson, Lenore; Kansas City.
Thurston, Cora B.; Kansas City.
*Tihen, Ione; Andale.
Traxler, Arthur Edwin; Emporia.
Unruh, Esther Mirian; Newton.
*Van Nice, Ray; Humboldt.
Vaughn, James; Emporia.
Walker, Hazle May; Emporia.
*Ward, Vannie E.; Emporia.
*Webster, Guy; Emporia.
*West, Nelle S.; Arkansas City.
Westervelt, Theodore R.; Topeka.
*White, R. Carl; Emporia.
*White, Donald M.; Clay Center.
White, Gertrude; Hutchinson.
Whitted, Edith D.; Mulvane.
Widmer, Earl; Parsons.
*Widmer, Guy; Iola.
Wiles, Harry B.; Canton.
*Wilks, Mabel; Emporia.
Williams, Capy Illinois; Emporia.
*Williams, Mary R.; Emporia.
Wilson, Kathryn Jane; Valley Falls.
*Winston, John Clarence; Lawrence.
*Withers, Ruth C.; Bronson.
Wode, Marie Frederica; Coffeyville.
*Workman, Lillian; Emporia.
Woulfe, Grace; Newton.
*Yoder, Jonathan C.; Enterprise.
*Yust, Ruth Elletta; Sylvia.
*Zellner, Esther Mae; Junction City.

COLLEGE SOPHOMORES.

*Abston, Gladys; Coffeyville.
Adams, Agnes Louise; Langdon.
*Adams, Dora; Iola.
*Adamson, Virginia M.; Erie.
*Agee, William Franklin; Gas.
*Allen, Erroll Warren; Morganville.
*Altman, Elizabeth; Topeka.
Anderson, Irene Helen; Topeka.
Ansbro, Margaret Ellen; Wichita.
Ard, Clara; Elsmore.
Armstead, Clara Pearl; Emporia.
Armstead, Marguerite Leona; Emporia.
Atkinson, Janet; Columbus.
Barben, Clara Marie; Fairview.
*Barde, Letha; Guthrie, Okla.
*Barnes, C. C.; Emporia.
*Barnhart, Laura; Belleville.
Barrigar, Maude Ellis; Fredonia.
Baugh, Ethel Adelaide; Emporia.
Beans, Helen Agnes; White Water.
*Beard, Lora Grace; Le Roy.
*Beatty, Elizabeth; Osawatomie.
*Bender, Ina M.; Emporia.
*Berg, Margaret; Emporia.
*Betts, Helen Mae; Olathe.
Beuchat, Gladys Faye; Madison.
*Bittel, Pauline S.; Clifton.
*Black, Georgie; El Dorado.
Blair, Alma Letha; Netawaka.
Blim, Mildred Arresta; Council Grove.
Blunk, Willis Maude; Galena.
*Bonewitz, Maude; Meriden.
*Bonham, Velma; Stafford.
*Bonwell, Stella; Emporia.
*Boone, Esther; Emporia.
Boothe, Ruth Irene; Andale.
*Bowersock, Anna; Emporia.
Braden, Kathryn; Derby.
Brady, Bertha; Havana.
Brandt, Harry; Ramona.
*Brazil, Stella; Eudora.
*Bridger, Eula; Parsons.
Briggs, Neta Irene; Emporia.
*Britton, Logan; Wheatland, Mo.
Broaddus, Hortense Geraldine; Leavenworth.
Brown, Erma Ferole; Emporia.
Brown, Hazel Ida; Emporia.
*Burk, Celia; Emporia.
*Burk, Christinia; Ottawa.
*Burns, Leslie L.; Emporia.
Burt, Esther Eleanor; Eureka.
Busenbark, Beryl Vera; Lyndon.
Caldwell, Harold; Moran.

COLLEGE SOPHOMORES—*Continued.*

Camp, Marguerite Josephine; Goff.
Campbell, Mabel Sylvia; Emporia.
Carlile, Edith Jennie; Emporia.
*Carter, Ida Estelle; Emporia.
Carter, William Paul; Harveyville.
*Caruthers, Esther; Oklahoma City, Okla.
Cassler, Ioan Margaret; Canton.
Chappell, Ora Mae; Haddam.
*Chatterton, Mary Mildred; Burlington.
Chinn, Hattie Ann; Wakarusa.
*Christensen, Oscar C.; Lost Springs.
*Clark, Wilbur; Dodge City.
*Clarke, Rex F.; Blue Rapids.
*Clements, Ora; Emporia.
*Cole, Raoy; Oskaloosa.
Coleman, Lloyd Le Roy; Overbrook.
Collins, Joseph Henry; Kansas City.
*Colyer, Clyde R.; Belpre.
*Conroy, Susan P.; Manhattan.
Cook, Charles Ray; Rock Creek.
Cook, Helen Marie; Coffeyville.
Cooper, Beatrice Ethel; Lincoln.
Cooper, Bessie Laura; Topeka.
Cooper, Gaylord Fenimore; Fairview.
*Coover, Laverne Grace; Wilson.
*Cowles, Effie; Emporia.
*Cowley, Hazel Katherine; Cottonwood Falls.
*Craft, Mrs. Mabel; Chanute.
Crawford, Vivian Orpha; Stafford.
*Crissman, Nettie; Blue Rapids.
*Critchlow, Fay; Atlanta.
*Cross, Guy F.; Winfield.
*Cross, Mabel V.; Emporia.
*Crosswhite, Harry E.; Parker.
*Dahm, Anna; Great Bend.
*Dana, Ina; Gardner.
Darrah, Bess Lillian; McPherson.
*Davenport, Eleanor; Ottawa.
*Davies, Clara A.; Clay Center.
*Davis, Alice Irene; Salina.
*Deakin, Ethel; Guymore, Okla.
Dean, Marie Grace; Valley Falls.
Dean, Mary L.; Admire.
*Delander, Clara; Kinsley.
Delaney, Alice Adelia; Dighton.
*Delaney, Ethel; Dighton.
Deming, Elsie Frizzelle; Anthony.
Dennis, Frederica Stevens; Emporia.
*Dent, Carl E.; Council Grove.
*Devore, Roxey; Winfield.
*Dilley, Mary L.; Alta Vista.
Dimon, Charles Anthony; Clay Center.
Dissinger, Ruth Caroline; Yates Center.
*Diver, Ethel R.; Humboldt.
*Doherty, Inez; Cambridge.
Donnelly, Beatrice; Topeka.
*Doverspike, Mary; Alta Vista.
Driskell, Otie Concurrence; Washington.
*Dummer, Rachel M.; Topeka.
Edmonds, Harold M.; Emporia.
Edwards, Mildred Elizabeth; Emporia.
Eibert, Vivian Agnes; Ness City.
*Elder, Raymond B.; Mankato.
*Eldridge, Marian; Ottawa.
Ellenberger, Edith Clare; Bazine.
*Elliott, Mary Edna; Pretty Prairie.
Ellis, Aileen Mary; Kansas City.
*Engle, Amos; Abilene.
Evans, Margaret V.; Cimarron.
Evans, Pattie Marian; Kansas City.
Farnsworth, Helen Elizabeth; Cullison.
Farnsworth, Lews George; Cullison.
*Fellows, Edith Mae; Neodesha.
Fergus, Fanny Fern; Kincaid.
Ferguson, Ruth Virginia; Grenola.
Ferguson, William Dwight; Wellington.
*Ferrell, Mary Jane; Independence.
Finley, Adin W.; Emporia.
*Fleming, Loma; Emporia.
Flynn, Joseph Patrick; Palmer.
Fouts, Carrie Belle; Frankfort.
Frasur, Mary Elizabeth; Emporia.
*French, Nellie I.; Emporia.
Friend, Frances Lee; Emporia.
*Frith, Mary McDonald; Emporia.
*Frost, Dollie; Republic.
Galutia, Blanche Mae; Alma.
Gardner, Lawrence Heber; New Albany.
*Geesling, Edith; Turon.
*George, Elizabeth Moss; Lebo.
*Gepharte, Jennie M.; Emporia.
*Gilman, Pearl; Emporia.
*Glasse, Mrs. Blanche; Fredonia.
*Good, Anna; Emporia.
Good, Bertha Agnes; Emporia.
Gordon, Clarence Alexander; Admire.
*Gormly, Merle; Harveyville.
*Graves, Zena C.; Mound City.
Green, Mrs. Roy V.; Emporia.
Griesinger, Estelle Gertrude; Anthony.
Griffeth, Mabel Leona; Centralia.
Griffith, Clara Melissa; Cottonwood Falls.
Grinter, Edith H.; Kansas City.
Gross, Edna Ella; Englewood.
Gutsch, Lydia; Tampa.
Habecker, Hazel Mae; Enterprise.
Hadorn, Emma Ruth; Irving.
Hall, Margaret Zella; Emporia.
Hamble, Hazel Mar; Emporia.
Hamlin, Birdine Belle; Emporia.
Hart, Neva Hazle; Minneapolis.
*Hatfield, Gertrude M.; Belle Plaine.
*Hausam, Constance; Emporia.
*Hawkins, Eunice L.; Mound City.
*Hayes, Genevieve; Oswego.
Haywood, Nellie M.; Fowler.
*Heck, Mary; Emporia.
*Henderson, Barbara; Wichita.
Henderson, Fannie May; Bogard, Mo.
Herndon, Victor Emmett; Marietta.
Herrick, Delia Mary; Berryton.
*Hertlein, Clara E.; Wichita.
*Hess, Kathleen; Hutchinson.
*Hicks, Effie May; Kansas City.
*Hill, Adelle E.; Chapman.
*Hillerman, Vina E.; Emporia.
*Hilyard, Edith; Severy.
*Hinkle, Mrs. Elmer D.; Benton.
Hitchens, Edna Pauline; Burlington.
Hoag, Alma Ruby; Lebanon.
*Hockens, Evalene; Arrington.
*Hodges, Minnie; Emporia.
*Holmes, George G.; Baldwin.
*Hooker, Violet Rose; Council Grove.
Hopkins, Ruth; Emporia.
Horr, Pearl Marie; Thayer.
*Hostetler, Hollis Hortense; Solomon.
Houston, Alta Ora; Potwin.
Hover, Harriet Elizabeth; Eureka.
Howell, Meda Flora; Topeka.
Hoyt, Maisue Agatha; Arkansas City.
Hudson, Jewell; Coffeyville.
*Huffman, Esther; Garden City.
Hughes, Nell Virginia; Topeka.
Hukill, Edna Eula; Valley Falls.
*Hund, Minnie O.; Wetmore.
*Hunter, Ethel; Wichita.
Hurst, Ivetta Bea; Independence.
*Hurt, Blanche G.; Americus.
Hutchison, Freida Alice; Richmond.
Inskeep, Edith Brooks; Manhattan.
*Irwin, Frank; Valley Falls.
*Jacobs, Ida; Holton.
*Jarrett, Nada; Clifton.
Jarvis, Lulu Gail; Lost Springs.
*Jennings, Gertrude; Cawker City.
*Jewett, J. June; Rosedale.
Johnk, Herbert H.; Neosho Falls.

COLLEGE SOPHOMORES—*Continued.*

*Johnson, Charles; Emporia.
Jones, Goldie M.; Fredonia.
Jones, Hazel Delight; Emporia.
*Jones, Jesse Erwin; Lyndon.
Jones, Minnie Catherine; Emporia.
Kearney, Ethel; Oswego.
Keith, Hazel M.; Jewell.
*Kennedy, Marguerite; Fredonia.
Kerr, David Edwin; Eskridge.
Kersey, Horace Albert; Quenemo.
Keys, Helen Myrtle; Hutchinson.
Keys, Mae Emma; Winchester.
*Kimble, Herman; Liberal.
King, Edna Faye; Emporia.
*King, Ruth M.; Lincoln.
Kirkendall, Frances Catherine; Emporia.
Kirkner, Vera Lucile; Carbondale.
*Knoll, Veda; Severy.
Knoll, Velda Faye; Severy.
Knoll, Venus Margaret; Severy.
*Knoll, Vera; Severy.
Knox, Brevard; Norcatur.
*Kretsinger, Beatrice; Emporia.
*Laird, Hazel; Emporia.
*Laird, Laura Rebecca; Abilene.
Lake, Ethel; Eskridge.
Lansing, Mary; Chase.
*Lapham, Elisabeth; Emporia.
Largent, Jessie; Emporia.
*Lawson, Mary F.; El Reno, Okla.
Leamer, Kathryn; Onaga.
Lednicky, Berenice; Everest.
*Lemon, Gladys F.; Parker.
Lewis, Daniel Webster; Wichita.
Lewis, Mary Jane; Horton.
Linhart, Catherine Josephine; Irving.
*Litts, Helen; Gas.
Longfellow, Carl Wadsworth; Elk Falls.
Loveless, Madeline; Emporia.
*Lowe, Helen; Kingman.
Lower, Beulah Leona; Humboldt.
*Lundine, Rose; Chanute.
*Lynn, Frances P.; Valley Falls.
*Lynn, Mabel; Valley Falls.
Lytle, Marie; Burlington.
McAuley, Joy Elkins; Americus.
McCarter, Meda Harriet; Emporia.
McCormick, Grace; Hanover.
*McCracken, Jessie E.; Hiawatha.
McDaniel, Ethel Dell; Admire.
McDaniel, Lillian Hester; Admire.
*McDonald, Anna; Hartford.
*McEvoy, Helena; Harris.
McGinnis, Grace Lane; Eureka.
*McMillan, Mary; Irving.
Madden, Zana Marie; Hugoton.
Mahan, Josephine Catherine; Wichita.
*Mallary, Elsie; Emporia.
Marley, Rita June; Wellsville.
Marshall, Luzena Elmira; Liberty.
*Marshall, Norma Mae; Augusta.
Marshall, Ruth Isabel; Bonner Springs.
Mason, America Margaret; Topeka.
Meairs, Robin P.; Dodge City.
*Meeker, Maude; Cheney.
*Meyer, Irene; Anthony.
*Mihm, Flora; Emporia.
*Miller, Effie; Hanover.
Miller, Minnie May; Council Grove.
*Miller, Ruth Elma; Belle Plaine.
Minner, Ratia May; Soldier.
*Moise, Roena P.; Ottawa.
Monniger, Emmalou; Chanute.
Monroe, Pauline; Emporia.
*Moore, F. Adaline; Hartford.
*Moore, Ruby; Clay Center.
Moore, Ruth Elizabeth; Auburn.
*Moore, Ruth Eliza; Emporia.
Morgan, Mrs. Anna Bulmer; Michigan Valley.
*Morgan, Edith A.; Girard.
Morgan, Marie M.; Peabody.
*Morine, Frances; Bluff City.
*Morris, Bessie; Emporia.
Morris, Della May; Clements.
*Moser, Amelia E.; Stilwell.
Naninga, Olotje Ann; Emporia.
Nanninga, John Benjamin; Emporia.
*Newell, Mrs. Lois; Holton.
*Nibert, Benjamin F.; Emporia.
Niederlander, Marion; Marquette.
Niles, Phœbe Loraine; Thayer.
Noyes, Matilda; Emporia.
Nusbaum, Lela Marie; Bern.
*O'Brien, Ella R.; Tonganoxie.
*O'Brien, Margaret E.; Tonganoxie.
*Ogg, Venice; Ottawa.
O'Keefe, Ruth Winifred; Dighton.
Okeson, Vera Margaret; Fairview.
*Olson, Margaret; White City.
Orr, Helen Margaret; Conway Springs.
Orsbourn, E. Gladys; Rantoul.
*Parker, Lora; Bonner Springs.
*Patton, Mary E.; Lawrence.
*Payne, Lelah; Topeka.
*Peacock, Eva Marie; Stafford.
Penn, Haxel; Atchison.
Penn, Verna; Atchison.
Perkins, Helen Lelia; Kansas City.
*Perrine, Ocie; Emporia.
*Perryman, Gladys; Arkansas City.
Pierce, Nora H.; Claflin.
Pixley, Nora Estella; Wamego.
*Platt, Blanche Marie; Overbrook.
Pope, Sarah Adaline; Udall.
Porterfield, Virginia M.; Holton.
Powell, La Verna; Burlingame.
Pringle, Robena; Rose.
Pyle, Eleanor Lenora; Americus.
*Ramey, A. Kirk; Piedmont.
Ramseyer, Margaret Josephine; Emporia.
Ranson, Harriet Elizabeth; Junction City.
Raymond, Lois Barnes; Long Island.
Raymond, Paul D.; Centralia.
*Record, Grace; Chanute.
*Reed, Helen Ferne; Kinsley.
Rees, Irma; Emporia.
Reeve, Juliet; Hugoton.
Reeves, Beatrice Masella; Ft. Scott.
*Reneau, Jessie; Florence.
Richmond, Clede Dora; Wellsville.
Rife, Alberta Maggie; La Junta, Colo.
Roberts, Ceris Robertha; Marguette.
Robison, Edgar Glenn; Florence.
*Roger, Ethel; McPherson.
Rogers, Hazel June; Emporia.
Rogers, Trilby Esther; Meriden.
Rollow, Crystal Dorothy; Hill City.
Roote, Paul McKinley; Eskridge.
*Roth, Mae Pearl; Bern.
Russell, Esther Arrilla; Stafford.
Sanford, Marguerite Vivian; Wichita.
*Saueressig, Ivy; Fredonia.
Scales, Marjorie Elizabeth; Fort Riley.
*Scheidt, Anna L.; Bonner Springs.
Schilling, Edward Don; Tonganoxie.
Scott, Laila Naomi; Burlington.
Scott, Ruth B.; Garden City.
*Searle, Genevieve; Oskaloosa.
Seaver, Mabel Edna; Nickerson.
*Seevers, Sarah; St. John.
*Sharp, Jessie; Council Grove.
*Shoff, Hazel; Wichita.
*Shook, Birdena Gibbon; Guymore, Okla.
Shore, Ella Marie; Kansas City.
*Shupe, Erma; Sitka.
Simcox, Mabel M.; Canton.
*Simmons, Lola; Emporia.
Simmons, Onnie; Topeka.
Sloan, Edith Wentworth; Harper.

COLLEGE SOPHOMORES—*Continued.*

*Smith, Frances W.; Concordia.
Smith, Genevieve Anne; Moran.
*Smith, Helen Elizabeth; Independence.
*Smith, Hester Alice; Independence.
*Smith, Margaret Steed; Newton.
*Smith, Maurine; Emporia.
Smith, Vera Blake; Sharon.
Smythe, Hazel; Glasco.
*Sorensen, Andy; Pittsburg.
*Spalding, Hazel; Lucas.
Spraul, Erna Marie; Kansas City, Mo.
Spurgeon, Leona Mae; Baldwin.
Stancliff, Eva Pearl; Saragosa, Tex.
*Starry, Ivil G.; Louisburg.
*Steinmetz, Esther; Emporia.
Stewart, Gladys Pauline; Americus.
Stoner, Delenia Allutia; Topeka.
Strickler, Frank Ellis; Ransom.
*Sutton, Amelia Bess; Emporia.
*Swenson, Beatrice; Clay Center.
*Sylvester, Ida; Riley.
*Taylor, Gertrude B.; Atchison.
Taylor, Irene; Atchison.
*Taylor, Ruth Pearl; Chapman.
Thomas, Edith R.; Emporia.
Thomas, Ina Wilhelmeta; Emporia.
*Thomen, Agnes; Junction City.
*Thorn, Besse; Beattie.
*Tipton, Helen; Parsons.
Tolin, Mrs. Olive; Soldier.
Top, Chlora Clementine; Wichita.
Topping, Beth; Emporia.
Tracy, Ethel Beatrice; Junction City.
Tracy, Lillian Mae; Topeka.
*Upshaw, Mary E.; McPherson.
*Van Duser, Florence B.; Fredonia.
Van Osdol, Florence; Junction City.
*Ver Brugge, Adriana; Emporia.
Wagler, Mattie Waneta; Bucklin.
Wagner, Bryan Jennings; Virgil.
*Wakefield, Juniata; Neodesha.
Walker, Quinnie; Elwood.
Wallace, La Vina Belle; White City.
Walls, Thelma; Parsons.
*Walters, Frank; Bancroft.
*Walters, William; Bancroft.
Walton, Ruth Sherman; Leavenworth.
Ward, Inez Ethel; Le Roy.
Ware, Edna Leanus; Topeka.
*Washington, Frances; Weskan.
*Wasser, Bella; Horton.
Watkinson, Mildred Elizabeth; Carbondale.
Watson, Lucile Mamie; Kansas City.
Waynick, Vaughnie Jean; Wellington.
Weatherly, Albert; Emporia.
Weigand, Margaret Mary; Burlington.
*Wells, George K.; Emporia.
*Wells, Hazel Grace; Mulvane.
*Wells, Laura; Emporia.
*Whistler, E. Virginia; Wichita.
*White, Alma; Bentley.
White, Irene Greta; Williamstown.
*Wieland, Clara; Hays.
*Willey, Bessie; Strong City.
Williams, Margaret Esther; Florence.
*Williams, S. Metella; Burden.
*Williams, Zelma; Soldier.
Willis, Ann Taber; Emporia.
Wilson, Flora Aletha; Carbondale.
*Wilson, Mary C.; Formoso.
Winans, Mamie Alma; Neosho Rapids.
Windett, Lucy May; Quenemo.
Winnard, Lura Emma; Delphos.
*Wolff, Sara A. P.; Ottawa.
Wood, Ruth Virginia; Anthony.
Woods, Mildred Ailene; Hydro, Colo.
Woodside, Marie Christina, Carbondale.
*Work, Lillian Alice; Topeka.
Workman, Lawrence Calvin; Emporia.
*Worster, Velma Z.; Greenleaf.

COLLEGE FRESHMEN.

*Abbey, Georgia; Centerville.
*Archer, Bertha Mae; Grenola.
Addington, Laura; Arkansas City.
Alexander, Gertrude E.; Emporia.
Alexander, Jennie H.; Mound City.
Alford, Mary Angeline; St. John.
*Allan, Grace E.; Tonganoxie.
Allard, Dean Conrad; Osawatomie.
*Allen, May H.; Morganville.
*Allen, Myrna Irene; Sabetha.
*Althoff, Grace Gertrude; Kansas City.
*Anderson, Anna Louise; Osage City.
*Anderson, Aura; Wellington.
Anderson, Della; Alma.
Anderson, Evangeline; Emporia.
*Anderson, Helen Rose; Thayer.
*Anderson, Lena; Topeka.
*Anderson, Olive Jane; Virgil.
*Andis, May Pearl; Fowler.
*Andrews, Adelia; Harris.
*Andrews, Garland; Neosho Rapids.
Andrews, Wilda Edith; La Crosse.
*Anthony, Georgia; Liberal.
*Arend, Florence E.; Downs.
*Arnold, Carrie Hester; Smith Center.
*Ashley, Hazel; Sabetha.
*Ashley, Maude; Sabetha.
Augustine, Bernice M.; Bigheart, Okla.
*Ausherman, Emma; Talmage.
Austin, Dorotha Ruth; Burrton.
*Axline, Laura; Pratt.
*Bachman, Lydia; Halstead.
Bacon, Frances; Chanute.
*Bailey, Berenice Elizabeth; Minneapolis.
Bailey, Irene Lillian; Maplehill.
Baldridge, Leona May; Kincaid.
*Ball, Anna Selam; Lyons.
Ball, Birdie Bales; Colby.
Balsmier, Mattie Melinda; Enterprise.
Balston, Georgene Harriet; Palmer.
*Banks, Mary Ruth; Salina.
*Banks, Minnie M.; Whiting.
*Baptist, Myrna; Emporia.
*Barnes, Marietta C.; Alma.
*Barr, Ray Harold; Holton.
*Bartley, Columbia Elizabeth; Powhattan.
Baugh, Lawton Vernon; Emporia.
Baugh, Lillian M.; Emporia.
Bean, Glenn Leonard; Ottawa.
*Beatty, Eva Ann; Manchester.
Beaver, Margaret Jane; Wellsville.
*Bechtold, Margaret; Atchison.
*Becker, Paul; Emporia.
*Bell, Hattie Lucile; Savonburg.
Bell, Winifred Margaret; Kinsley.
*Bell, Robert Raymond; Yates Center.
*Bengston, Frances; Wichita.
*Bert, Lena Lula; Detroit.
*Bideau, Kathryn; Rose.
*Bielman, Laurette; Cottonwood Falls.
*Billings, Bernice; Englewood.
*Bingham, Harriet Ruth; Blue Mound.
*Binkley, Catherine; Clay Center.
*Bird, Imah Virginia; Anthony.
*Bird, Winogene; Macksville.
Bisby, Beatrice Louise; White City.
*Bixby, Mary; Osawatomie.
*Blackburn, Bessie; Bazaar.
Blackburn, Lena Mae; Bazaar.
*Blake, Clara Belle; Moscow.
*Blakey, Harriet; Great Bend.
*Blevens, Lulu Pearl; Burlington.

COLLEGE FRESHMEN—*Continued.*

*Blunt, Ethel Beatrice; Downs.
*Bolinger, Della; Bushton.
*Bonwell, Mary Burzilla; Neodesha.
Bonwell, William Alva; Emporia.
*Book, Monroe M.; Ramona.
*Borg, Jessie Eleanor; Lawrence.
*Bourne, Fern May; Winchester.
*Bowen, Ruth; Fairview.
*Bowers, Ethel Ann; Downs.
*Bowlby, Laura Agnes; Lost Springs.
*Bowman, Carl A.; Benedict.
Bowman, Leonard Leon; Benedict.
*Bowman, Ruth Mattie; Lawrence.
*Boyer, Pearl; Osawatomie.
Boyle, Joseph Essig; Bennington.
*Boyles, Maud; Fredonia.
*Bradbury, Lessie; Garden City.
Bradshaw, Matie E.; Topeka.
*Brandner, Fred A.; Emporia.
Brauer, Lillie Anna; Herington.
Brecheisen, Esther Amelia; Eudora.
*Brien, Nellie; Bern.
*Bright, Helen; Blue Rapids.
*Brinker, Bessie Irene; Goodland.
*Brinker, Beulah Lorene; Goodland.
*Britton, Harry; Emporia.
*Brodie, Mary; Emporia.
*Broomfield, Blanche; Clearwater.
Brooks, Gladys Mae; Horton.
*Brown, Bertha; Emporia.
*Brown, Eunice L.; Great Bend.
Brown, Ida Maybelle; Burlingame.
Brown, Lizzie Bell; Ashland.
Brown, Madge Anna; Medford, Okla.
*Brown, Millie S.; Onaga.
*Brown, Rose J.; Kingman.
Brown, Ruth Bessie; Ashland.
*Brown, Ruth Irene; Emporia.
*Brown, Thomas A.; Perry.
*Brownlee, Ethel R.; Derby.
*Bruch, Enola E.; Kingman.
Buchanan, Josephine Wright; Lyndon.
Buckles, Edna Evelyn; Vermillion.
Buckles, Grace Jennie; Vermillion.
*Bulmer, Lleyd E.; Michigan Valley.
*Burgard, Ruth; Leavenworth.
Burkhalter, Albert Lewis; Blackwell, Okla.
*Burks, Beulah Pearl; Osawatomie.
*Burnett, Mildred; Glasco.
Burnham, Esther D.; Abilene.
*Burns, Anna R.; Effingham.
*Burns, Bernice; Cedar Vale.
Burns, Elsie Marie; Pomona.
Burns, Lillian Belle; Lawrence.
*Burns, Eugenia; Effingham.
Burroughs, Victoria A.; Salina.
Bursch, James Frederick; Buffalo.
*Burton, Iva Lois; Fredonia.
Busenbark, Cornella E.; Eskridge.
Butler, Phebe Fern; Madison.
*Bybee, Eula Claudine; Garnett.
*Byers, Osa Irene; Parker.
Byrd, May Pauline; Emporia.
*Cain, Anna; Beattie.
*Calkins, Emma Francs; Chanue.
*Callaway, Esther Gertrude; Centralia.
Callaway, Gladys L.; Blue Rapids.
*Campbell, Amy E.; Emporia.
*Campbell, Lottie; Osawatomie.
Campbell, Myrtle May; Emporia.
*Carey, Carmen Pearl; Peabody.
*Carico, Alice; Quincy.
Carle, Midget; Neosho Rapids.
*Carlin, Mary A.; Salina.
*Carpenter, Blanche; Boicourt.
*Carpenter, Ethel E.; Garden City.
*Carrithers, Mrs. Lulu; Anthony.
*Carter, Frances Lucretia; Chanute.
*Cary, Venue; Florence.
*Cather, Beulah; Fowler.
Catlin, Mattie Aletta; Eudora.
*Catudal, Josephine; Plainville.
*Cavner, Nina Bell; Fowler.
*Cazier, Elva Aletha; Wakarusa.
*Cherry, Bessie; Meriden.
Chalk, Ruth; Wathena.
Chalmers, Lenora Curtis; Kansas City.
*Chapman, Lillian; Leavenworth.
*Cheney, Esther Anna; Talmage.
Cherry, Susie Allen; Scranton.
Chestnut, Mary Elizabeth; Kincaid.
*Chilcote, Ruby Lou; Carlyle.
*Chitwood, Marie; Conway Springs.
*Chrisman, Frances Gayl; Cherryvale.
*Chrisman, Mary; Cherryvale.
*Christensen, Ellis; Lost Springs.
*Church, S. Evangeline; Oketo.
*Clark, Herschel J.; Perry.
Clark, James Jennings; Perry.
Clark, Leland George; Buffalo.
*Clark, Nina Leigh; Cassoday.
Clarkson, Mabel Irene; Anthony.
*Cleeton, Ivol; Neosho Rapids.
*Cleland, Esther; Emporia.
*Cloud, Mollie Frances; Winfield.
*Coats, Anna; Turon.
*Cochran, Wilma Searle; Lakin.
Coffman, Katherine; Scranton.
Cole, Anna Mabel; Topeka.
*Coleman, Myrtle Irene; Centralia.
Colwell, Margaret Eunice; Emporia.
Concannon, Mabel; Emporia.
*Cook, Edna; Little River.
*Cook, Helen Marie; Rock Creek.
Cooper, Grace Mildred; Fairview.
*Cope, Elsie Leigh; Bigelow.
*Cope, Ruth L.; Iola.
*Cordell, Vevah Catherine; Andale.
Coughenour, Lucile May; Brownell.
Cowan, Ruth Edna; Athol.
Cowie, Jeanette; Kanopolis.
*Cox, Grace Evans; Leavenworth.
*Cox, Nina O.; Haviland.
*Crackel, Desta E.; Liberal.
*Cramer, Marie Bess; Moran.
Crawford, Inez Katheryn; Emporia.
*Cromer, Mamie E.; Volland.
*Cross, Florence; Emporia.
*Crowell, Grace E.; Alta Vista.
*Crowley, Marietta; El Dorado.
*Cuming, Eulalia; Pratt.
*Cuming, Gladys Winona; Pratt.
*Cunningham, Eva Marie; Greeley.
*Cunningham, Theresa M.; Richmond.
*Curran, Agnes Mary; Everest.
*Curran, Grace; Everest.
Curtis, Estelle Isabelle; Vermillion.
*Curtiss, Loudella; Gem.
*Dadisman, Mrs. Dick; Pratt.
Dague, Katherine Delia; Wilson.
Daily, Ruth Bridgid; Beloit.
*Dana, Helen Elizabeth; Gardner.
Dancy; Mary Jane; Oklahoma City, Okla.
*Dannebohn, Minnie; Ellinwood.
*Darlington, Grace E.; Denison.
Darrah, Mary Lizzie; Emporia.
*Davidson, Cecile; Yates Center.
*Davidson, Celia; Yates Center.
*Davidson, Pearl L.; Yates Center.
*Davies, Ella; Frankfort.
Davis, Alexander F.; Dunlap.
*Davis, Cora Una; Haviland.
*Carpenter, Margaret E.; Council Grove.
*Davis, Eunice D.; Hiawatha.
Davis, Grace Helena; Neodesha.
Davis, Katherine Elizabeth; Syracuse.

COLLEGE FRESHMEN—*Continued.*

Davis, Mae Lu Ella; Winchester.
*Davis, Maude T.; Hartford.
*Davis, Vernon Samuel; Elwood.
*Davis, Wilma Clair; Chanute.
*Day, Grace Olive; Emporia.
Day, Jessie D.; Eskridge.
*Dean, Birdie; Nickerson.
Dean, Earl Howard; Hamilton.
Dean, Margaret Faye; Valley Falls.
*Decker, Edna Virginia; Moundridge.
*Deistler, Arline Myreen; Preston.
*Delfelder, Bertha Belle; Effingham.
DeLoe, Freda Iralene; Coffeyville.
*De Moss, Lola; Leon.
*Denchfield, Edna Pearl; Eureka.
*Denny, Lena Margaret; Harveyville.
*Denny, Lydia; Elmo.
Dent, Ellsworth Charles; Council Grove.
*Derr, Vagolda; Garnett.
*De Shurley, Gertrude; Augusta.
*De Vier, Sidney; Eureka.
De Witt, Nell Edna; Minneapolis.
*Dickerman, Emma A.; Elk City.
*Dilley, Charles A.; Alta Vista.
*Dills, Isabelle; Peabody.
Dissinger, Clarence Fred; Yates Center.
*Dodds, Clara; Welda.
*Dodds, Clarence M.; Welda.
*Dodds, Ida E.; Welda.
*Dodge, Arda; Almena.
Dooty, Donnie Dell; Melvern.
*Dorman, Viola Edna; Lucas.
*Dorr, Mabel L.; Osage City.
Dorsey, Lucile Rachel; Parsons.
*Doty, Mabel; Reading.
*Dow, Charles Wesley; Tescott.
*Dow, Clarence L.; Miltonvale.
*Doyle, Ruby May; Garden Plain.
*Drollinger, Nellie P.; Humboldt.
Dubbs, Mabel Mary; Ransom.
Duncan, Alice Margaret; Emporia.
*Dunson, Maude; Iola.
Durham, William Joseph; Greeneville, Tex.
*Durr, Vada C.; Lorraine.
*Dyck, Anna Belle; Moundridge.
Eaghny, James Orin; Severy.
*Earhart, Mrs. Myra; Herington.
*Easterly, Mary Euphemia; Downs.
*Eble, Bertha May; Virgil.
*Edwards, Frances Marjorie; Sedan.
Edwards, Marie Betty; Jewell.
*Eldred, Cornelia; Paola.
Eldred, Ruth Harriet; Paola.
Ellis, Gladys A.; Hartford.
*Ellison, Merl; Cunningham.
*Epperson, Marie; Burr Oak.
Epting, Esther May; Burlington.
*Ericsson, Lillian; Emporia.
Ernst, Dorothy Idell; Overbrook.
Erreth, Blanche Ola; Cottonwood Falls.
*Erwin, Carrie V.; Belle Plaine.
*Erwin, Elizabeth M.; Belle Plaine.
*Eustace, Lawrence; Wakefield.
*Evans, Jessie; Virgil.
Fairchild, Irene Emily; Wellsville.
*Fairchild, Lucy Rebecca; Earlton.
Faler, Edgar Henry; Sterling.
Farrar, Julia; Ackerland.
*Faulconer, Bertha; El Dorado.
*Felix, Phœbe; Holton.
*Fiehler, Juanita; Wellsville.
*Finkle, Guy E.; Galva.
*Finnerty, Anna; Hartford.
*Fish, Mabel Estelle; Powhattan.
Fisher, Emma Rebecca; Emporia.
Fisher, F. Helen; Emporia.
*Fisher, Irene Orpha; Kansas City.
*Fisher, Minnie; Wichita.
*Fisk, Mattie Matilda; Haviland.
Fitch, Donald; Emporia.
*Fleming, Edna; Soldier.
Fleming, La Rue Ethel; Horton.
*Fogle, Mary Louise; Formoso.
*Followell, Alma Alta; Goff.
*Foote, E. Winifred; Spring Hill.
*Ford, Blanche L.; Moran.
Foster, Estelle Cecilia; Topeka.
*Foster, Hazel May; Talmage.
*Foster, Kathryn; Humboldt.
*Fowler, Sadie Maurine; Kingman.
*Frame, William F.; Bayard.
*Francis, Alta; Holton.
Frazer, Sam Theodore; Marion.
*Frazier, Lulu Jane; Anthony.
*Freeland, Ferne; Leota.
*Freeman, Alta; Harris.
Freeman, Minnie Lee; Anthony.
*Fritschie, Lillian; Auburn.
*Groman, Alice; Valley Center.
*Fugate, Meta; Topeka.
*Fulmer, Alice Ione; Cherryvale.
Gadberry, Clara Frances; Emporia.
*Galbraith, Claude; Lost Springs.
*Gantenbein, Viola; Dillon.
*Gardner, Mary O.; Carbondale.
*Garr, Edith May; Caney.
*Garr, Edna Mabel; Caney.
*Garrett, Elizabeth M.; Neodesha.
*Garvey, Kate J.; Le Roy.
*Gaston, Tressie; Glen Elder.
*Gates, Eva L.; Seward.
*Gates, Nellie; Anthony.
*Gaughan, Nellie; Reading.
*Gearhart, Ethel LaRue; Bartlesville, Okla.
Gee, Bera Anne; Jewell.
*Geisendorf, Dorothee; Clearwater.
*George, Dot; Le Roy.
*Geraghty, Lucy A.; Reading.
*Gerard, Merle; Blue Rapids.
*German, Willetta; Holton.
*Gessell, Ruth Mabel; Enterprise.
*Gibbs, Esther; Forest Lake.
*Giffee, Bernice Arline; Green.
*Gifford, Myrtle E.; Jamestown.
*Gildart, Rita; Neodesha.
*Gillam, Edith Marie; Pratt.
*Gillette, Gladys Leone; Ottawa.
*Gilman, Lois; Atchison.
*Gilson, Frances; Leon.
*Gise, Grace E.; Beloit.
Glassel, Ethel Myrtle; Valley Falls.
*Glassel, Cecil W.; Valley Falls.
*Gleason, Alice E.; Alta Vista.
*Gluck, Ann; Junction City.
Glover, Claudia Mary; Humboldt.
*Goin, Georgia Belle; Beattie.
*Goin, Maud; Beattie.
*Gollier, Clare Marie; Neosho Falls.
*Gollier, Edith Augusta; Neosho Falls.
*Good, Nellie; Cawker City.
Gordon, Joe A.; Garden City.
*Gordon, Margaret; Eureka.
*Gorman, Elizabeth Ann; Neosho Rapids.
*Gortner, Ilah G.; Mount Hope.
*Goss, Beatrice; Emporia.
*Gossard, Marie; Republic.
*Grady, Edward J.; Lansing.
Grant, Ethel Mary; Emporia.
Grant, Eva Maybelle; Kansas City.
*Grant, Gladys; Emporia.
*Grauerholz, Elizabeth; Kensington.
Gray, Cora Viola; Isabel.
*Green, Edyna M.; Madison.
*Greenback, Edith C.; Little River.
*Greene, Bessie A.; Salina.
*Greene, Lula; Salina.
*Greene, Nellie; Leavenworth.
*Greer, Esther W.; Marion.

COLLEGE FRESHMEN—*Continued.*

Greever, M. Edna; Lansing.
Gregory, Mildred Helene; Hugoton.
Griblin, Mildred Viola; Virgil.
*Griffith, May; Bern.
Griffith, Verdie Mae; Scranton.
*Griffiths, Grace Mae; Hartford.
Grigsby, Charles Wayne; Williamsburg.
*Grimes, Manilla; Marysville.
*Grizzel, Clara Jane; Bushton.
Groendyche, Muriel Ella; Medicine Lodge.
Gross, Vesta; Emporia.
*Grove, Rachel; Welda.
Guffee, Francis J.; Irving.
*Gum, Iva; McCracken.
Gum, Twila Mae; McCracken.
Gunther, Lucille T.; Soldier.
Gunther, Ora; Soldier.
Gurtler, Christina Susie; Centralia.
*Guthrie, Zelma; Douglass.
Hack, Adah E.; Humboldt.
*Haddock, Ruth A.; Solomon.
Hafer, Everett A.; Emporia.
Halbe, Violet Winifred; Dorrance.
Halbert, Frances; Chapman.
Hall, Ethelle E.; Kensington.
*Hallock, Ella; Englewood.
Halverson, Anna; Morganville.
*Ham, Arthur C.; Wilsey.
*Ham, Bessie M.; Lansing.
Hamilton, Bertha Rae; Bronson.
*Hamlin, Ethel H.; Circleville.
Hammig, Anna Bertha; Eudora.
Hancock, Alma D.; Beverly.
*Hankins, Gladys Maybelle; Reading.
Hann, Mabel Alice; Emporia.
*Hanselman, Cloyd B.; Lawrence.
*Hanson, Vada; Speed.
*Harkrader, Laura; Pratt.
Harlan, Bereniece; Emporia.
Harper, Ruth Olive; Coats.
*Harris, Edith May; Salina.
*Harris, Hazel Ruth; Murdock.
Harris, Herbert Dale; Maplehill.
Harris, Hilah Beth; Emporia.
*Harris, Ruth Belle; Eudora.
*Harrison, Eugenia; Bern.
Harrison, Opal; Fulton.
Hart, Katherine; Kingman.
Harter, Clarence Clifford; Westmoreland.
Hartman, Albert Leopold; Ozawkie.
Hartwick, Ruby May; Anthony.
*Hashbarger, Frances; Kincaid.
*Hastings, Pearl; Strong City.
Haubold, Ethel Kathryn; Parsons.
Hauser, Grace Regina; Wichita.
*Hawkins, Isabella; Du Bois.
*Haworth, Bessie M.; Emporia.
*Hay, Ella; Wellsville.
*Hay, Esther M.; Junction City.
*Hay, George A.; Junction City.
Hay, Mary L.; Junction City.
*Hayden, Jennie G.; Elmdale.
*Hayes, Nellie D.; Wathena.
Haynes, Virginia; Emporia.
Healy, Joseph; Lincoln.
*Heaton, Helen A.; Pratt.
*Hefner, Ethel; Cedar Vale.
*Heiser, Dale Louisa; Downs.
*Helmreich, Pauline; Rosedale.
*Hendricks, Lula May; Webber.
*Henley, Edna Asenath; Clyde.
*Hensel, Louis Calvin; Alma.
Henson, Lucile Clara; Springdale.
*Hering, Millie Odessa; Stafford.
*Herold, Frances; Seneca.
*Herold, Mayme; Seneca.
Herrin, Mabel; Leavenworth.
*Herrman, Lilliane; Hamilton.
*Heshion, Anna; Downs.
*Hesse, Clara May; St. Marys.
Hetherington, Kathryn Miller; Emporia.
*Hetherington, Mary Alice; Emporia.
*Hewitt, Chester; Carbondale.
Hickum, Hazel Ruth; Kansas City, Mo.
*Higgins, Bessie; Topeka.
Hill, Bertha; Emporia.
*Hill, Christine C.; Mulvane.
*Hilty, Zelma Louise; Johnson.
Hinkle, Gladys; Powhattan.
*Hinkley, Orpha Ruth; Stark.
*Hoadley, Alice; Cimarron.
*Hoback, Athel; Girard.
*Hoch, Elsie; Hartford.
*Hockhouse, Elsie E.; Alma.
*Hodges, Faye; Marysville.
*Hodson, Jeanette; Paola.
*Hogan, Nell; Humboldt.
Holcomb, Christie Bell; Buffalo.
*Holcomb, Ruth F.; Kingman.
*Holm, Vesta Edna; Newton.
*Holmes, Violet G.; St. John.
*Hoover, Emma; Burlingame.
*Hoover, Lola; Mt. Hope.
Hope, Mary K.; Garden City.
Hope, Mildred L.; Emporia.
*Hopkins, Jessie; Lawrence.
Horr, Opal Maye; Thayer.
Hosley, Mary Emma; Bayard.
*Hostick, Lora Mae; Lebo.
*Houlton, Beulah; Florence.
*Houston, Blanche L.; Blue Rapids.
*Howard, Harriet E.; Yates Center.
Howard, Marian Ruth; Cottonwood Falls.
*Howell, Vada Marjorie; Ottawa.
*Huenergardt, Irma Edith; Leavenworth.
*Huffman, Hazel D.; Clifton.
*Huffman, Myrtle; Clifton.
Hultgren, Lyda Christina; Galva.
*Humphrey, Emogene; Cottonwood Falls.
Humphry, Lillian Beatrice; Moran.
*Humphreys, Lucile; Emporia.
*Hunt, Hazel Marie; El Dorado.
*Hush, Gladys; Emporia.
*Hutcherson, Alchie; Narka.
*Igel, Josephine; Ottawa.
Ingalls, Ethel; Galva.
Innis, Pearl Ethel; Fowler.
*Irwin, Iva J.; Barnes.
*Ives, B. Elmer; Mount Hope.
Jackman, Elsie Elizabeth; Maize.
*Jackson, James T.; Kincaid.
Jacobs, Inez A.; Emporia.
Jacques, Eva S.; Ensign.
*Jacques, Katie May; Ensign.
*James, Edna Louise; Gas City.
*James, Florence V.; Madison.
*Janes, Ethel; Spring Hill.
*Jarrett, Melba Vada; Rossville.
Jasper, Ollie Belle; Lebo.
*Jaynes, Frances Alice; Meriden.
Jenkins, Avis Eunice; White City.
*Jenkins, Ruth; Liberty.
*Jennings, Edith; Bronson.
*Jennings, Katherine; Anthony.
Johnson, Augusta Bersheba; Kansas City.
Johnson, Cassie Ruth; Everest.
Johnson, Elsie L.; Olsburg.
Johnson, Eva R.; Phillipsburg.
Johnson, Maila Louise; Wichita.
*Johnston, Vada Ann; Kensington.
Jones, Blanche; Sylvia.
*Jones, Edna G.; Rosedale.
Jones, Ethel Mae; Rossville.
*Jones, Ione Hazel; Tonganoxie.
Jones, Marvin Lee; Wamego.
*Jones, Mary Frances; Olathe.
*Jones, Opal Olga; Cawker City.
Jones, Reta Tamzine; Yates Center.

COLLEGE FRESHMEN—*Continued.*

*Kaegi, Cecile; Moundridge.
Kanzig, Alvena Louise; Eudora.
*Kaufman, Ida; Wichita.
*Kauffman, Mae E.; Navarre.
*Keefover, Iva; Barnes.
*Keener, Georgiana; Clay Center.
Keetch, Lulu Margaret; Sawyer.
Kell, Mrs. Aimee Hilton; Emporia.
Keller, Glenna Gretchen; White City.
*Keller, Ruby Mae; Holton.
*Kellogg, Ethel L.; Wellington.
Kelly, Laurette; Chapman.
Kelly, Maurine; Edgerton.
*Kelly, Mary L.; Neosho Rapids.
*Kelson, Grace Mae; Garden City.
*Kemper, Mae Lenore; Potwin.
*Kendle, Doris; Council Grove.
*Kendle, Ethel; Council Grove.
*Kenton, Lola; Bonner Springs.
*Kenton, Margaret; Bonner Springs.
Kerr, Isabella A.; Eskridge.
*Kerr, Maude C.; Wichita.
Kimble, Zelma Luverna; Carbondale.
*Kincaid, Edna D.; Topeka.
*King, Beryl S.; Fowler.
*King, Irene Mary; Sugar City.
*King, Vivian Ray; Atchison.
*Kirkeminde, Tillie; Council Grove.
*Kirwan, Ida; Bendena.
*Kitchen, Mary Elizabeth; Pawnee Rock.
Klassen, Anne Helen; Inman.
Klein, Max Miles; Emporia.
Klopfstein, Leona Julia; Wichita.
*Knapp, Eva May; Milan.
Knight, Sara La Rue; Topeka.
*Knowles, Nellie S.; Caldwell.
Kobel, Verna; Peabody.
*Koetting, Hermina; Reading.
Koontz, Lois; Emporia.
Kramer, Amy Pauline; Osage City.
Kregar, Helen Catherine; Lincolnville.
Kroth, Lorah; Soldier.
*La Caille, Doerle K.; Leavenworth.
*Lacey, Irma Mae; Iola.
*Lacey, Leota Ferne; Iola.
*Laird, Irene Blanche; Ottawa.
*Laird, Lucile; Emporia.
*Lancaster, Helene Ida; Canton.
*Lane, Belle M.; Kingman.
Lannagan, Edna Marie; Burlington.
Lanter, Myrtle Lillian; Horton.
Larabee, Ola Bernice; Isabel.
*La Rosh, Edna; Spring Hill.
Laswell, Letha Sarah; Rossville.
Laughlin, Emelyn Elizabeth; Americus.
*Lawrence, Velma Mary; Paola.
Leforce, Clyde J.; Emporia.
*Leibengood, Rebekah; Paola.
*Leighty, Agnes Elizabeth; Osage City.
*Lentz, Edith; Arlington.
*Lesh, Hazel; Garnett.
*Leslie, Dora Mae; Lyndon.
*Leslie, Edna; Lyndon.
*Leu, Fannie; Madison.
Lewis, Adelaide May; Emporia.
Lewis, Bonnoe Clara; Welda.
Lewis, Gwendoline Jane; Lebo.
*Lewis, Lita Neva; Beloit.
*Lewis, Rees; Emporia.
*Lill, Katherine; Leon.
*Lind, Laura Elizabeth; Yates Center.
*Linley, Edith Inez; Leon.
*Linke, Mildred M.; Chase.
*Lockhart, Ruth; Niles.
Longshore, Hazel Beatrice; Emporia.
*Lonker, Hazel; Medicine Lodge.
*Lowder, Evelyn; Brunswick.
*Lowe, Gladys; Council Grove.
*Luther, Lucy Julia; Reading.
Luthey, Forrest N.; Carbondale.
Lyne, Kate Elizabeth; Oakhill.
Lyon, Rudenia Florence; Fredonia.
*McAuliffe, Nellie; Newton.
*McCall, Isabelle M.; Kansas City.
*McCandless, Lizzie B.; Cottonwood Falls.
*McCarty, Hazel; Collinsville, Okla.
*McCauley, Stella L.; Fowler.
McCaw, Myrtle Annetta; Americus.
*McClelland, William Everett; Topeka.
*McCoffrey, Cuba; Tonganoxie.
*McComb, Mabel; Wichita.
*McConnaughey, Blanche; Quincy.
*McConnaughey, Edna Ruth; Quincy.
McConnaughey, Maud Sarah; Quincy.
*McConnell, Lyda Ella; Topeka.
McConnell, Marsee Joseph; Lafontaine.
McCormick, Marcy; Mount Hope.
*McCracken, Eugene; Emporia.
McCulley, Ina Grace; La Harpe.
McCutcheon, Martha Mary; Emporia.
*McCutcheon, Maude; Miltonvale.
McDermet, Alma Fern; Salina.
McDivitt, Beulah; Alta Vista.
McElroy, Lucille; Clay Center.
*McGarvin, Irma; Bonner Springs.
McGraw, Elza Virginia; Lebo.
*McInerney, Mamie Irene; Solomon.
*McInnes, Hazel; Allen.
McIntosh, Buell Elbert; Wilsey.
McKibben, Hazel M.; Lewis.
*McKinney, Fleta E.; Council Grove.
*McKittrick, Alice; Cedar Point.
*McKnight, Gladys Lenore; Eskridge.
*McKnight, Mary M.; Baileyville.
*McMillen, Doris Lillian; Elmo.
*McMillen, Inez; Lost Springs.
*McMullen, Edith A.; Melvern.
McNeil, Owen R.; Miltonvale.
*McNeil, William E.; Miltonvale.
McNicol, Grace Viola; Lost Springs.
*McStay, Grace E.; Effingham.
*Maddox, Letha; Hazelton.
*Maguire, Faye; Little River.
*Maher, Ruby E.; Osawatomie.
*Mahoney, Gertrude; Scranton.
*Mahoney, Lucile; Scranton.
*Malmgren, Ruth; Falun.
Malone, Ada Marie; Liberal.
Maloney, Mildred Margaret; Tonganoxie.
Maness, Helen E.; Ponca City, Okla.
*Maple, Anna; Mulvane.
*Markley, Hetty; Scranton.
Marriott, Eunice Mabel; Eureka.
Marsh, Hattie M.; Neodesha.
*Martin, Inez Marie; Chanute.
Martin, Mary Beryl; Chanute.
*Martindale, Sallie; Emporia.
*Marymee, Bertha May; Larned.
Mason, Frances Elizabeth; Hepler.
Massey, Fannie Jane; Horton.
*Masterson, Mary; Sabetha.
Mather, Helen Oliver; Emporia.
*Matthews, Hazel; Fredonia.
Matthews, John Clarence; Valley Falls.
*Mauzey, Joie Ruth; Nortonville.
*Maxson, Della; Emporia.
Maxwell, Alta Ruth; Emporia.
*May, Evalyn R.; Newton.
*Meador, Naomi; Webber.
Meeker, Deloris Irene; Eskridge.
*Meier, Guila Laura; Herington.
*Meier, Matilda; Marysville.
*Mell, Dorris Lu Verne; Wetmore.
Mendell, Floy Pearl; Moran.
*Merrill, Susan; Furley.
*Meseke, Della Bertha; Alta Vista.
*Metz, Grace Leone; Ottawa.
Metz, Thelma Lucile; Topeka.

COLLEGE FRESHMEN—*Continued.*

Meuser, Laura Lizette; Paola.
*Meyer, Bertha M.; Hiawatha.
*Meyer, Elizabeth Mary; Chapman.
Meyer, Ethel June; Bern.
*Meyer, Mamie M.; Linn.
*Meyer, Mary M.; Chapman.
*Meyer, Minnie Josephine; Hiawatha.
*Miller, Ellen R.; Lehigh.
*Miller, Fleta; Cottonwood Falls.
*Miller, Gladys Charlotte; Glen Elder.
Miller, Hazel C.; Lebo.
*Miller, Ida Leona; Sedgwick.
Miller, Marguerite; Phillipsburg.
Miller, Ruth Ina; Lyons.
Miller, Ruth Mae; Lebo.
Mills, Edith Myrtle; Emporia.
*Mills, Ida D.; Tyro.
*Miner, Bess Edna; Burlingame.
Minner, Bertha Lorena; Soldier.
*Miskimon, Fayetta G.; Williamsburg.
*Mitchell, Dow; St. Francis.
*Moffet, Louise; Peabody.
*Monninger, Fanny; Montezuma.
*Moon, Hazel; Junction City.
*Moor, Neva Elizabeth; Humboldt.
*Moore, Bertha; Sedgwick.
Moore, Mrs. Effie; Emporia.
Moore, Gertrude Hewlett; Gardner.
*Moore, Grace; Gridley.
*Moore, Marian Geneva; Hamlin.
*Morgan, Ethel Lucile; Effingham.
Morgan, Mable B.; Howard.
*Morrett, Florence; Topeka.
*Morris, Cecil; Emporia.
*Morris, Julia; Emporia.
*Morrish, Helen; Oberlin.
Morrow, Frances; Topeka.
*Morton, Flossie; St. John.
Muncil, Margaret; Valley Falls.
*Murphy, Mary; Cherryvale.
*Murray, Theresa M.; Salina.
*Muth, Sanna Bell; Republic.
*Myers, Mary Elsa; Centralia.
*Naylor, Marjory; Wellington.
*Neal, Ruth Louise; Paola.
*Neely, Mary Isabel; Pomona.
*Nelson, Anna; Falun.
*Nelson, Belle; Colony.
Nelson, Della Constance; Garfield.
*Nelson, Esther Berenice; Carbondale.
*Nelson, Gladys Corrine; Stark.
*Nelson, Mildred Agnes; Carbondale.
Nelson, Pearle Josephine; White City.
*Neuenschwander, Rose; Madison.
Newhard, Elsie Lovila; Broughton.
*Nielson, Rosa; Allen.
*Nissen, Lydia; Whiting.
*Noble, Mary E.; Highland.
*Noll, Irene Eugenia; Topeka.
Norrie, Goldie; Sabetha.
*Norrie, Lottie; Sabetha.
*Norrish, Mae; Logan.
*Northington, Ethel; Emporia.
Norton, Ada Pearl; Moran.
*Nunn, Cinta; Downs.
Odere, Bertha Louise; Topeka.
Officer, Cleo; Hillsdale.
*Ogan, Marie; Sedgwick.
*Ogle, Ione; Kansas City.
*Oliver, Lilian K.; Maplehill.
*O'Loughlin, Jennie R.; Lakin.
*Olsen, Bergit O.; Baker.
*O'Mara Genevieve; Reading.
*O'Neill, Stella; Strong City.
Orr, Elizabeth Marie; Newton.
*Ottaway, Harriet Mae; Haviland.
*Ottaway, Letha M.; Haviland.
*Owen, Juanita; Osawatomie.
*Owen, Mark H. C.; Williamsburg.
*Page, Cora; Detroit.
Page, Ruby Louise; Severy.
*Palmatier, Merle; Topeka.
Palmer, Tella Anna; Greeley.
*Parker, Mary Ellen; Chanute.
*Parker, Vernie Chester; Chanute.
*Patton, Anna; Arkansas City.
*Paul, Edith; Jamestown.
*Paup, Helen M.; Wichita.
*Payne, Cynthia; Howard.
Payne, Lulu B.; Howard.
Peach, Joseph Makeson; Emporia.
Peck, Milton L.; Webber.
*Peele, Fern; Eureka.
Pegg, Mary Ellen; Topeka.
*Pelzell, Elsie; Harper.
*Peniston, Madree C.; Atchison.
*Pergrem, Anna Belle; Belle Plaine.
*Pergrem, May; Belle Plaine.
*Perkins, Mrs. Clara; Meade.
Perrin, Alphonso Willie; Salina.
*Perry, Bertha May; Parsons.
Peters, Helen Gertrude; Emporia.
*Peterson, Leona C.; Enterprise.
*Phillips, Janet; Reading.
Phillips, Lillian C.; Ottawa.
*Pierson, Edith Marie; Wheaton.
Pinnick, Rachel May; Fowler.
Pinson, Mabel Irene; Cheney.
*Pitts, Ada Mae; Fort Scott.
*Pitts, Anna; Fredonia.
*Pollitt, Lena; Marion.
Popp, Rieta Agnes; Kinsley.
*Popplewell, Mary Fay; Reserve.
*Pore, Ruth May; Cedar Vale.
Porter, Bertha Orena; Topeka.
Potter, Frances Ruth; Emporia.
*Potucek, Adelaide; Portland.
Powell, Eva Alberta; Coffeyville.
Pratt, Gladys W.; Topeka.
Preston, Genevera Clare; Overbrook.
*Price, Emma Lillian; Mont Ida.
*Price, Gladys C.; Beattie.
*Price, W. Manford; Toronto.
*Price, Sara Ann; Beattie.
*Price, Vinnie; Lincolnville.
*Priest, Blanche Hester; Sabetha.
*Priest, Clara C.; Sabetha.
*Protzman, Cecile May; Hillsdale.
Putnam, Inez Josephine; Admire.
*Pyke, Marie; Yates Center.
*Ramey, Goldie Ada; Wellsville.
Ramsey, Clara Alice; Geneseo.
Randolph, Florence; Emporia.
*Rasmussen, Lillian; Clifton.
*Rawlins, Sue M.; Havensville.
*Reardon, Helen; Tonganoxie.
*Rector, Gladys; Beloit.
Redd, Trilby; Horton.
*Reed, Dwight M.; Fowler.
Reed, Esther Gladys; Severance.
*Reed, Ethel M.; Sabetha.
Reed, Hortense Annise; Parsons.
Reed, Ruth Elizabeth; Lyons.
Regier, Justina Melinda; Moundridge.
*Reitz, Grace Christine; Olathe.
*Reynolds, Lila Maurine; Cedar Vale.
*Rhinehart, May; Spring Hill.
Rich, Elizabeth Wanda; Emporia.
Richards, Estella Agnes; Severy.
*Richards, Lillian; Haviland.
Rickerd, Ruth Anna; Emporia.
Ricketson, Lillian; Leavenworth.
*Riegle, Grace; Bonner Springs.
*Rieger, Hannorah H.; Bonner Springs.
*Riegle, R. Wilford; St. John.
*Rieniets, G. C.; Neosho Falls.
Rife, Frances Nona; La Junta, Colo.
*Riggs, Fannie Mae; Bayard.

COLLEGE FRESHMEN—*Continued.*

*Riisoe, Edna; Kinsley.
*Ring, Elma Adina; Caldwell.
*Ring, Myrtle; McPherson.
*Roach, Mary C.; Wichita.
Roach, Maud Clifford; Topeka.
Roberts, Edna Lucile; Lawrence.
Roberts, Jamie Edith; Nevada, Mo.
*Robertson, Edna M.; Paola.
Robertson, Lucy Ann; Paola.
*Robinson, Anna; Florence.
Robinson, Florence; Neodesha.
*Robinson, James Millard; Harris, Tex.
*Rodweald, Sophie; Vassar.
*Rodgers, Elizabeth; Garnett.
*Rodgers, Gertrude May; Junction City.
*Roe, Gladys; Wellington.
*Rogers, Edythe Blanche; Caney.
*Rogers, Mamie; Arkansas City.
*Romig, Phœbe R.; Topeka.
*Rose, Gladys Valena; Mount Grove, Mo.
*Roseberry, Mabel Ellen; Osawatomie.
*Ross, Alta; Paola.
*Rost, Carrie; Sedan.
*Rowland, Mildred; Palmer.
Rowland, Rhoda Blanche; Emporia.
Rugg, Lee Charles; Emporia.
*Rumery, Mae; Columbus.
*Rush, Miriam; Haviland.
*Russell, Hazel; Winfield.
*Sackett, Mary Josephine; Marion.
*Safford, Martha; Kingman.
*Sallee, Esta; Marion.
*Salter, Myrtle; Guymon, Okla.
*Sampson, Lilly G.; Wichita.
*Samson, Ellen; Valley Falls.
Saueressig, Ona Pearl; Lebo.
*Scanlan, Florence; Chapman.
Schacht, Elsie Helen; Lorraine.
*Schall, Miriam; Dodge City.
*Schermerhorn, Bertha; Kechi.
Schroeder, Justin C.; Emporia.
*Schulteis, Marguerite; Council Grove.
*Schwendig, Rose; Council Grove.
*Scott, Angie Lucile; Kirwin.
*Scott, Jane E.; Carbondale.
Scott, Madeline Miriam; Topeka.
Scott, Mildred Adlene; Topeka.
*Scriver, Myrtle E.; Elbing.
Seevers, Daisy Elva; St. John.
Self, Myrtle; Cedar Point.
Selves, Edith Grace; Clements.
*Settle, Alberta Grace; Reading.
Shaftsberry, Agnes F.; St. John.
*Shaner, Helen; Lost Springs.
*Shaner, Mary Irma; Lost Springs.
*Sharpe, Bessie G.; Macksville.
*Shaw, Beulah; Louisville.
*Sheachs, Ruth La Reine; Yates Center.
*Shelley, May E.; Kingman.
Shepard, Hazel Ruth; Kincaid.
Sheppard, Malta; Wellsville.
Shinkle, Wanda; Mound City.
*Shirley, Vera Celeste; Goodland.
*Shirley, Myrtle M.; Osage City.
*Shirley, Rose Annette; Emporia.
*Shoemaker, Irene; Severy.
*Short, Sybil; Fredonia.
Shotts, Frances Willard; La Crosse.
*Shuemaker, Ruby Fern; Wetmore.
Simmonds, Lillian Daisy; White Cloud.
*Simmons, Leota Mae; Allen.
Sipes, Helen Elizabeth; Great Bend.
*Sipes, Zita Alexia; St. Marys.
*Sister Bernard; Concordia.
*Sister Crescentia; Concordia.
*Sister Dolores M.; Concordia.
*Sister Eugenia; Concordia.
*Sister Marie Eleanor; Concordia.
*Sister John Joseph; Concordia.
*Skaggs, Minnie; Leavenworth.
*Skinner, Marvel; Nortonville.
*Slack, Shirley I.; Chanute.
Slead, Halley Everett; Neosho Rapids.
Sloan, Gertrude Maybelle; Zenda.
*Smith, Agnes Leota; Neosho Rapids.
*Smith, Alta Esther; Scott City.
*Smith, Annabel Lucile; Scott City.
*Smith, Bessie Mae; Powhattan.
Smith, Blanche Mirian; Cottonwood Falls.
*Smith, Celia Marie; Liberty.
*Smith, Clarissa Ellen; Neosho Rapids.
Smith, Elizabeth Burtis; Atchison.
*Smith, Elsie M.; Superior, Neb.
Smith, Emma; Westphalia.
*Smith, Esther; Emporia.
*Smith, Eva P.; Saline.
Smith, Georgia Anna; Enterprise.
*Smith, Hart; Rosalia.
Smith, Helen Dailene; Emporia.
*Smith, Inez Cain; Galesburg.
*Smith, Ione Gladys; Lebo.
*Smith, Irene Ellen; Horton.
Smith, Irene Victoria; Jacksonville, Ill.
*Smith, James Marion; Lost Springs.
*Smith, Margaret Pearl; Burlingame.
Smith, Pauline Anne; Topeka.
Smith, Pauline Emily; Sharon.
Smith, Troley Omer; Rosalia.
Smith, Zella Mae; Barclay.
Smootz, Ruth Marie; Moundridge.
*Smythe, B. Marie; Salina.
*Snelling, Ethel; Norwich.
*Snyder, Gladys Marie; Farmington.
*Snyder, Kathryn Rose; Whiting.
Sonnerberg, Ernest Richard; Gaylord.
*Spalding, Elsie Margaret; Lucas.
*Sparks, Margaret Elizabeth; McLouth.
*Spaulding, Hugh M.; Solomon.
*Spence, Mary Elizabeth; Humboldt.
*Spencer, Venus; Concordia.
Spigle, Vena Alpha; Overbrook.
Spraings, Zephyr Aurora; Kansas City.
*Sprague, Allen; Powhattan.
*Staley, Katie Leona; Neosho Rapids.
Stannard, Lillian May; Emporia.
*Stark, Eda Mary; Perry.
Steeves, Mildred Lillian; Abilene.
Steinmetz, Ruth Margaret; Emporia.
*Stenger, Cassie B.; Council Grove.
*Stephens, Marie Frances; Ottawa.
*Sterling, Minnie E.; Clay Center.
Stepp, Nadine Watson; Kansas City.
Stevenson, Blanche Janette; Emporia.
*Stever, Leona May; Wetmore.
*Stewart, Bertie; Fort Scott.
Stewart, Elizabeth Ellen; Admire.
*Stewart, Elizabeth C.; Wichita.
*Stewart, Gladys E.; Saffordville.
*Shea, Faye T.; Alta Vista.
*Stice, Rose E.; Alta Vista.
*Stine, Ella; Vermillion.
*Stinson, May Esther; Carlyle.
*Stipp, Lucille; Wellington.
*Stolfus, Naomi; Emporia.
*Stolfus, Viola; Emporia.
*Stone, Myrtle; St. Jospeh, Mo.
*Stout, Ida Mae; Kingman.
*Stout, Mayme; Kingman.
Stout, Nellie Garnett; Emporia.
*Strange, W. J. Bryan; Blue Rapids.
*Strickler, Grace; Highland.
*Strong, May M.; Moran.
*Stroup, Lucile L.; Burns.
*Studebaker, Edith M.; Saffordville.
*Stuff, Ella Pauline; Baker.
*Sugg, Samuel Everett; Montezuma.
*Sullvant, Thomas H.; Waverly.
*Sumey, Esther; Berryton.

COLLEGE FRESHMEN—*Continued.*

*Surdez, Emma B.; Onaga.
*Sweet, Ollie Mae; Grenola.
Swenson, Ethel Fernanda; Randolph.
*Sword, Mina; Emporia.
Taylor, Bessie Iona; Winfield.
Taylor; Cleo Helen; Atchison.
*Taylor, Nettie; Almena.
*Thayer, Elsye Frances; Kensington.
*Thomas, Alice Ruth; Lillis.
*Thomas, Fred D.; Garrison.
*Thomas, Jennie Merida; Barclay.
*Thomas, Margaret Laberta; Barclay.
*Thompson, Beulah Belle; Wellington.
*Thompson, Emma F.; Lost Springs.
*Thompson, Harriet Grace; Cimarron.
*Thompson, Laura; Osage City.
*Thompson, Lillian Maye; Blakeman.
*Thompson, Mrs. Lou B.; Cottonwood Falls.
*Thompson, Mary Evans; Mankato.
*Thompson, Zella R.; Eskridge.
*Thomson, Elizabeth Irene; Osage City.
*Thomson, Evelyn; Osage City.
*Thomson, Nellie B.; Osage City.
*Thora, Josephine; Beattie.
*Thornburgh, Faye; Nortonville.
*Thrasher, Dena; Emporia.
*Throckmorton, Nellie; Le Roy.
*Thuron, Leona; Macksville.
*Tibbetts, Harlow E.; Blue Rapids.
Tieman, Margareth Helen; Stafford.
Tipton, Captolia Mary; Parsons.
Titus, Kathryn May; Council Grove.
*Titus, Mary E.; Osage City.
*Todd, Susan Elizabeth; Tonganoxie.
*Topliff, Lena J.; Jewell.
*Tornquist, Ellen; Lyndon.
*Towers, Florence Elizabeth; Tulsa, Okla.
Tracy, Jessie Agnes; Americus.
*Tracy, Sarah Elizabeth; Junction City.
*Trent, Helen Caroline; Downs.
Troll, Anna Irene; Emporia.
Trowbridge, Faith Alfreda; Yates Center.
*Trudell, Bessie Ellen; Miltonvale.
*Tucker, Minerva Blanche; Cedar Vale.
*Tucker, Pearl; Ottawa.
Turner, Elizabeth Ellen; Harveyville.
*Turner, Georgia Hazel; Gardner.
*Turner, Mildred A.; Wellington.
*Turner, Myrtle; Topeka.
*Tyler, Bess Catherine; Fredonia.
*Tyler, Jessa; Fredonia.
*Ulrich, Mabel W.; Lawrence.
Updegraff, Wilma Clara; Maplehill.
*Upshaw, Bertha Mae; Russell.
*Van Buskirk, Ila; El Dorado.
Van Horn, Hazel Jennie; Nortonville.
*Van Huss, Iva Alice; Waldron.
*Van Winkle, La Rue; Oxford.
*Varner, Susie E.; Nortonville.
Vaughn, Marion Frances; Winfield.
Vaughn, Mrs. Mattie E.; Emporia.
*Veal, Marion; Downs.
Verhage, Irene Rae; Valencia.
*Vering, Esther Agnes; Marysville.
*Vincent, Esther; Nortonville.
*Vincent, Gladys; Overbrook.
*Vincent, Ruby M.; Burns.
*Voshell, Cecil Mae; McPherson.
Voth, Jacob; Butler.
*Wakerle, Abbie; Chetopa.
*Wade, Ora L.; Maplehill.
*Wade, Ruth Pearle; Jewell.
*Wakefield, Olive; Caney.
Walden, Ruth Jewell; Wichita.
Waldron, Mrs. Muriel I.; Emporia.
Walker; Gladys Margarette; Osage City.
*Walker, Nancy E.; Anthony.
*Walker, Maud; Newton.
*Wallingford, Iva Grace; Horton.
*Walters, Alta Leona; Ottawa.
*Ward, Hazel Maye; Liberal.
Ward, Ruth Ethelyn; Topeka.
*Warders, Thomas; Marysville.
*Wassenberg, Minnie; Marysville.
*Watson, Katie Belle; Vining.
*Watson, Vena; Little River.
*Watts, Clara Elden; Chetopa.
*Weaver, Blanche; Admire.
Weaver, Bonney B.; Piedmont.
*Weaver, B. Irene; Admire.
*Weber, Faye; Quincy.
*Webster, Paul M.; Emporia.
*Weide, Sara; Yates Center.
*Welch, Ruby Angeline; Leavenworth.
Wellborn, Cleda Hannah; Emporia.
Wells, Arthur Harrison; Topeka.
*Wells, Mrs. Jessie M.; Emporia.
*Wells, Mabel Eldeen; Mulvane.
*Welton, Gladys E.; Rantoul.
*Welton, Juanita; Rantoul.
Wendland, Alvin Otto; Winkler.
*Wendling, Amanda G.; Halstead.
*Wendling, Georgia; Frankfort.
Westacott, Nellie Emma; Leon.
*Westbrook, Mabelle Ava; Severy.
*Weston, Mary Anna; Derby.
Weyler, Lawrence; Emporia.
*White, John T.; Kensington.
Whitesell, Lola; Wetmore.
*Whitham, Eunice; Cassoday.
*Whitney, Mary Leona; Waldron.
Whitted, Agnes Christine; Derby.
*Whitten, Janet Labertha; Wakarusa.
*Widelin, George Henry; Severy.
Wilcox, Helen Mae; Great Bend.
*Willard, Frances Edith; Concordia.
*Williams, Alma Grace; Columbia, Mo.
*Williams, Annie E.; Emporia.
*Williams, Carrie Lorena; Downs.
*Williams, Esther Margaret; Florence.
Williams, Hazel Beatrice; Smith Center.
Williams, Helen Frances; Marion.
Williams, Helen Marguerite, Oklahoma City, Okla.
*Williams, May Agnes; Hutchinson.
*Williams, Ruth Eleanor; Olivet.
*Williams, Vera Marguerite; Liberty.
Williams, Vida Marie; Liberty.
Williamson, Ralph; Emporia.
*Willis, Marvin; Beattie.
*Willoughby, Will; Coyville.
Wilson, Mae Lois; Carbondale.
*Wilson, Maude Alice; Elmdale.
*Winkley, Grace Edith; Marion.
*Winquist, Mildred E.; Vermillion.
*Wise, Edith Harriet; Hiawatha.
*Wisecarver, L. Clyde; Oakhill.
Wisner, Pearl Elsa; Elwood.
*Woulfe, Viola; Frankfort.
*Wolgamuth, Ola; Hartford.
*Woodhead, Cynthia; McLouth.
*Woodside, Verna V.; Carbondale.
*Woodward, Agnes; Olden.
*Woodward, Hilda; Westphalia.
*Wright, Doris; Topeka.
*Wright, Elsie Edith; Piedmont.
*Wright, Stella; Oketo.
*Yeager, Dora A.; Canton.
Yeager, Mary L.; Ashland.
*Yoder, Margaret Mae; Waldron.
*Young, S. Kenneth; Eskridge.
*Young, Melba; Wellington.
*Young, Rachel Augusta; Neodesha.
*Younger, Paul P.; Tonganoxie.
*Youngroot, Bertha; Osage City.
*Zeileis, Amanda Elizabeth; St. Marys.

NORMAL TRAINING HIGH SCHOOL.

COMPLETED WORK FOR DIPLOMA, JULY 27, 1917.

Bain, Mollie; Dunlap.
Burns, Lela; Emporia.
Cadwalader, Jesse; Bellaire.
Cavanaugh, Esther; Ozawkie.
Ericcson, Lillian; Emporia.
Fischer, Helen; New Ulysses.
Fromm, Ella; Elmo.
Gist, Noel; Emporia.
Hawkins, Ruth Elizabeth; Emporia.
Hinton, Carrie; Fulton.
Kirwan, Ida; Bendena.
Lindholm, Vera; Falun.
Longshore, Hazel; Emporia.
Morton, Rebecca; Fall River.
Noffsinger, Cecile; Fall River.
Noffsinger, Ula D.; Fall River.
Rorabaugh, Dorothy B.; Bellaire.
Schreiber, Edna; Lost Springs.
Shellenberger, Esther; Bushong.
Sloan, Gertrude; Zenda.
Slater, Helen Marie; Emporia.
Strickler, Lester C.; Rose Hill.
Tipton, Captolia; Parsons.
Troll, Anna Irene; Emporia.
Valyer, Arden Herbert; Allen.
Zollars, Beulah Geneva; Emporia.

CANDIDATES FOR DIPLOMA, MAY 22, 1918.

Agrelius, Kenneth Paul; Emporia.
Alsop, Gwendolyn M.; Wakefield.
Alsop, Lila Grace; Wakefield.
Antle, Clifford Leland; Emporia.
Armour, Rebecca; Strong City.
Armour, Scott; Strong City.
Black, Clara; Emporia.
Boyle, Joseph; Bennington.
Brown, Gwendoline M.; Neal.
Calkins, Irven Ross; Olivet.
Carpenter, Mae Irene; Paola.
Cunningham, Ernest A.; Hope.
Duer, Joseph Warren; Zenith.
Eastman, Grace; Matfield Green.
Eastman, Josephine; Matfield Green.
Emorson, Odessa M.; Atlanta.
Gill, Carl; Sylvia.
Hensley, Vera Ethel; Emporia.
Hetherington, Kathryn; Emporia.
James, Inez, Emporia.
Johnson, Merrill N.; Phillipsburg.
Letourneau, Clara; Aurora.
Maill, Olga; Elmo.
Nelson, Esther L.; Herington.
Nelson, Sophia Minnie; Allen.
Noffsinger, Geraldine La Von; Fall River.
Nottorf, Eunice; Dillon.
Orr, Bertha E.; Fall River.
Oss, Verna Zula; Fall River.
Osborn, Helen Esther; Emporia.
Sanders, Elsie May; Emporia.
Sower, Granten Elbert; Elmo.
Troll, Matilda Emily; Emporia.
Wilson, Edith V.; Strong City.
Wilson, Gladys L.; Emporia.
Wise, Laura Dale; Louisburg.

CANDIDATES FOR HIGH SCHOOL DIPLOMA, JULY 26, 1918.

Hammond, Clara; Emporia.
Godsey, Mabel; Emporia.
Walthall, Great M.; Healy.
Whiteley, Otis; Emporia.

HIGH SCHOOL SENIORS NOT COMPLETING WORK FOR DIPLOMA.

*Akerson, Evelyn H.; Galva.
*Appleby, Earl; Cedar Vale.
*Asmussen, Marie; Allen.
Baugh, Clarice E.; Emporia.
*Bender, Etta Mary; Emporia.
*Bird, Sarah Ella; Haviland.
Boyles, Alta Knisely; Barclay.
*Breed, Esther; Emporia.
*Brittain, Eva; White City.
Burk, Gloyd Gilmore; Emporia.
*Campbell, Gladys; Emporia.
*Campbell, Grace; Topeka.
*Carbaugh, Faun; Emporia.
*Cartmel, Alma; Emporia.
*Clough, Vera Nettie; Cottonwood Falls.
*Cope, Esther; Iola.
*Cornich, Mrs. E. D.; Emporia.
*Curtiss, Cline C.; Beeler.
Curtiss, Helen Marie; Lawrence.
Devlin, Claire Nell; Leavenworth.
Donaldson, David; Emporia.
*Duggan, Josephine; Tampa.
*Duggan, Julia; Tampa.
*Durkee, Neva M.; Sylvia.
Edkin, Lillian Leona; Emporia.
Fisher, Mary Josephine; Emporia.
*French, Meryl May; Emporia.
*Gibbon, Beatrice; Hartford.
Gist, Mrs. Effie; Emporia.
Green, Lola Mae; Le Roy.
*Gwartney, Nina; Leavenworth.
Hamilton, Robert L.; Topeka.
Hatcher, William Paul; Emporia.
Hazell, Alice Isabelle; Meade.
*Hiller, Clara; Mentor.
*Holroyd, Flora E.; Sedan.
Hooper, Helen E.; Junction City.
*Howe, Mary Priscilla; Emporia.
Howell, Thomas Arthur; Emporia.
Iobe, Victor; Emporia.
*Keyer, Edna; Wilson.
*Keyser, Helen; Wilson.
*Kroth, Lilah; Soldier.
*Leigh, Ethel May; Gridley.
*Lindholm, Victoria; Falun.
Linscheid, Elizabeth S;. Arlington.
Litchfield, Tessie E.; Raymond.
*Lonshore, Mrs. Florence; Iola.
Lytle, Homer Rise; Emporia.
*McCormick, Alice; Elmo.
*McIntire, Ina D.; Newton.
*McMillan, Dewey F.; Stafford.
Manly, Roy Franklin; Diamond Springs.
Martin, Hazel Alice; Emporia.
Maxwell, Samuel W.; Emporia.
*Miller, Hortense; Emporia.
*Monypeny, Mabel; Hartford.
*Moore, Emma; Stafford.
Moore, Frances A.; Louisburg.
*Morgan, Leslie; Emporia.
Morris, Norma Almeda; Meriden, Neb.
*Murdock, Florence Lucy; Ness City.
*Nichols, Mary; Emporia.
Owen, Jennie Small; Emporia.
Rhea, Nellie Marie; Utica.
*Ricker, Ruth; Emporia.
Robison, Grace; Holton.
Rogers, Clarence W.; Toronto.
Rogers, Mrs. Clarence W.; Toronto.
*Ryan, Mary V.; Stilwell.
*Samson, Margaret; Valley Falls.
*Shellenberger, Esther; Bushong.

HIGH SCHOOL SENIORS—*Continued.*

*Shelley, Dorothy; Elmdale.
*Shirkey, Kathryn; Madison.
*Shumroy, Minnie; Lyons.
*Smith, Lillian Ray; Rosalia.
Smith, William Benjamin; Clyde.
*Spade, Hulda E.; Emporia.
*Sullivan, Minnie; Wilson.
*Swearingin, Katherine; Emporia.
*Tunney, Ethel; Emporia.
Turkle, Dwight; Emporia.
Valyer, Ernest E.; Allen.
*Welch, Marion; Emporia.
*Wenger, Marie; Junction City.
Whitlow, Helen; Topeka.
Wilmore, Myrtle Deborah; Emporia.
Wilson, Lafayette Lincoln; Independence.
Woodard, Mary Florence; Emporia.

HIGH SCHOOL JUNIORS.

Agrelius, Claire Tangeman; Emporia.
*Ainsworth, J. W.; Rush Center.
*Allen, Mabel; Emporia.
Arnold, George Wilson; Emporia.
*Badeshein, Katherine; Seneca.
*Bain, Mollie; Dunlap.
*Berg, Carrie K.; Meriden.
*Blake, Galena; Moscow.
*Brown, Vanche M.; Neosho Rapids.
Buck, Francis Edwin; Emporia.
*Carter, Marie; Emporia.
Cartmel, Owen Elva; Emporia.
Cavanagh, William Joseph; Ozawkie.
*Chaffin, Ina; Caldwell.
*Chaffin, Pearl; Caldwell.
Chappell, Olga Elva; Haddam.
*Cleland, Anna; Emporia.
Clow, Ruth Harriet; Emporia.
Coker, Lucinda; Earlsboro.
Coleman, Willis Leroy; Overbrook.
*Coley, Mary Elizabeth; Vinita, Okla.
Cook, Hartwell John; Emporia.
Cooper, Irlene Mirinda; Topeka.
*Curtis, Lillian R.; McCracken.
*Davis, Florence; Clearwater.
Davis, Theodore Hartsel; Olpe.
Davis, Manda; Clearwater.
Davis, Mount Erwin; Douglass.
Dillon, Franklin Lewis; Springfield, Colo.
*Drake, Russel P.; Emporia.
*Dugger, Irene J.; Ottawa.
*Fischer, Violet Martha; New Ulysses.
*Fleming, Thomas; Emporia.
Focht, Marie Louise; Emporia.
Fox, Helen; Kinsley.
*French, Ellen; Neosho Rapids.
Frey, Mae Irene; Vassar.
Frohberg, Edwin George; Waterville.
Fuller, Frank Alva; Madison.
Grant, Florence Malvina; Fulton, Okla.
*Gray, Marguerite; Atchison.
*Higgins, Goldie; Topeka.
Hershey, Dollie Irene; Milton.
*Hill, Ruth O.; Emporia.
*Hoatson, Hilda; Emporia.
*Hodges, Lola Elizabeth; Ottawa.
Hood, Marie Phillips; Tescott.
*Hook, Ruth; Emporia.
*Hopkins, Grace; Emporia.
*Houghton, Maude M.; Emporia.
*James, Steva Pearl; Emporia.
*Jay, Hazel L.; Coffeyville.
Johnson, Challice Audrey; Phillipsburg.
Johnson, Mary Lennora; Abilene.
*Jones, Ross; Le Roy.
*Keyes, Mary Nellie; McPherson.
Kissel, Mae; Spearville.
*Lillibridge, Frank L.; Waterville.
*Lowe, Florence; Formoso.
*McIntire, Nina; Newton.
*McNergney, Mrs. Blanche; Sabetha.
*Manson, Selma E.; Stark.
*Maul, Charles; Kansas City.
*Metzger, Grace Esther; Kingman.
Meyer, Fred William; Rozell.
*Miller, Anna J.; Gardner.
*Miner, Faye; Emporia.
*Mitchell, Lula; Silver Lake.
Morgan, Mrs. Valda Carmain; Emporia.
Morrison, Eugenia Marguerite; Canton.
*Moss, May I.; Corning.
*Nelson, Louise M.; Allen.
*O'Connor, Catherine; Emporia.
*Owen, Oscar; Elk City.
*Patterson, Genevieve; Barnes.
*Puliver, Scott; Emporia.
Ray, Yovene Etolia; Emporia.
*Revelle, Grace Celia; Webber.
*Rodgers, Vera Myrtle; Topeka.
Simmons, Iva Martha; Ottawa.
*Simpkins, Alice Daisy; Hugoton.
*Sloan, Ruth; Zenda.
Smith, Boyd Thomas; Emporia.
Smyth, Ruby Maude; Glasco.
*Snodgrass, Dora B.; Williamsburg.
Sonnenberg, Evalyn Lucile; Gaylord.
Spence, Hazel Ina; Emporia.
Spence, Mildred Lucile; Emporia.
Stout, Dale Caldwell; Emporia.
Stout, Martha Delphine; Emporia.
Stringham, Ava; Williamsburg.
Strutzel, Clara Madgelean; Olpe.
Travis, Rena Alice; Garrison.
Valyer, Lois Maude; Allen.
*Van Buskirk, J. R.; El Dorado.
*Van Gundy, Ethel; Neosho Rapids.
Warder, Rosetta Lennora; Abilene.
Watkins, Gwendolin; Emporia.
Wendland, Milton Ludwig; Winkler.
*Wenger, Matilda; Junction City.
Widick, Ralph Hayden; Emporia.

HIGH SCHOOL SOPHOMORES.

Adams, Marshall Berry; Emporia.
Archer, Anna; Emporia.
Archer, Ralph Harvey; Selma.
*Arnold, Iras; Emporia.
Baldwin, Marvin Lee; Neal.
Balmer, Lydia Marie; Emporia.
Benedict, Marion; Olpe.
*Bennett, May E.; Quenemo.
Boyles, Thomas K.; Emporia.
Bramwell, Nelda; Concordia.
*Brock, Myrtle J.; Wetmore.
Butz, Effie Mae; Oneida.
*Callaway, Mina Hazel; Lebanon.
Cox, Clara Elizabeth; Emporia.
Cox, Virginia Grace; Emporia.
*Doyle, C. H.; Kansas City, Mo.
*Durrin, Margaret H.; Fredonia.
Edwards, Marjory; Emporia.
Fox, Lena Cathleen; Olpe.
Godsey, Alice; Emporia.
Halbe, Blanche; Dorrance.
Haworth, Myrtle; Emporia.
Hoey, Elizabeth Florence; Emporia.
Holland, Wesley Jennings; Emporia.
Hopkins, Maud; Agra.
Irwin, Jennie; Emporia.
*Lee, Owen Wilbur; Parsons.
Lewis, Bessie A.; Strong City.

HIGH SCHOOL SOPHOMORES—*Continued.*

Lloyd, Wilma; Emporia.
McConnell, Edward; Council Grove.
McCullough, Helen Frances; Emporia.
Manley, Harold Albert; Diamond Springs.
Mason, Aleatha Mahalis; Hepler.
*Mathew, Mae; Thayer.
Mayberry, James; Emporia.
*Moler, Ralph Lee; Wilsey.
Moore, Olive Marie; Emporia.
Morris, Alice Mary; Emporia.
*Newell, Julia; Oakland.
*Norris, Nellie; Liberal.
*Paxton, Susanna; Emporia.
*Praeger, Agnes; Claflin.
Ross, Neva Marie; Uneda.
Shank, Winnie Maude; Fall River.
*Shipley, Helen; Westphalia.
Shirkey, Floy Virginia; Madison.
Stephens, Jessie Ann; Emporia.
Stollar, Letha; Emporia.
Stollar, Paul Stewart; Emporia.
Strong, Cora Pearl; Overbrook.
*Teichgraeber, Laura; Emporia.
*Thrasher, Hazel I.; Emporia.
Triplett, Dorothy; Emporia.
Tuhey, Dortha Nellie; Emporia.
Turner, Nola Andrew; Dunlap.
*Turner, Roy W.; Effingham.
Weesner, Dorothy Marvel; Emporia
Wellborn, Paul Robert; Emporia.
Whiteley, Ernest; Emporia.
*Wiershing, Maude; Reece.
*Wileman, Frances W.; Wetmore.
Williams, Bessie Elsie; Speed.
Williams, Orlesta; Emporia.
Willson, Nelson; Garnett.

HIGH SCHOOL FRESHMEN.

*Akins, Flora; Halstead.
*Barncord, Ralph Frank; Emporia.
*Blair, Wilma; Webber.
*Callaway, Hildred Nettie; Lebanon.
Chaffin, Charles Homer; Emporia.
*Dreyer, Flora; Gridley.
Duer, Orval Jonathan; Zenith.
*Fairchild, Nettie Eleanor; Earlton.
Ford, Delma Lois; Garnett.
Fredrickson, Daniel R.; Allen.
*Godsey, Grace; Emporia.
*Goodwin, Anna Mae; Elk City.
Gunkle, Pearl Edith; Madison.
*Hall, Anna B.; McPherson.
Hazell, Ruth Vianna; Meade.
*Henry, Mary Kathereen; Nortonville.
Holm, Albert Maynard; Newton.
Houts, Mary Hazle; Emporia.
Humble, William Everett; Dunlap.
*Lamb, Mary; Emporia.
*McClain, Winnie; Sabetha.
*McDivitt, Lillie; Alta Vista.
*McGee, Lillard; Centerville.
*Matthew, David L.; Fredonia.
*Miller, Maude Margaret; Benton.
Moore, Bessie Pearl; Emporia.
Moore, Ruby Marie; Emporia.
*Myers, Mildred; Atchison.
*Osburn, Eleanor; Emporia.
*Oveson, Edna M.; Osage City.
Reeves, Louis; Emporia.
Rose, Laura Mina; Emporia.
*Sarvin, Pearl Anna; Derby.
Schulz, Mary Ann; Hillsboro.
Shank, Craven Henry; Emporia.
*Sharon, Mary Josie; Williamsburg.
Skupas, Christopher; Emporia.
*Soden, Margaret; Emporia.
Southard, Alberta Mary; Comiskey.
Southard, Hazel La Vere; Comiskey.
*Spring, Leah; Bern.
*Stamper, Retta; Shannon.
*Stanbery, Elva M.; Jewell.
Stevenson, Gladys Lucile; Emporia.
Stewart, Mrs. Sarah; Council Grove.
*Sutton, Aleine; Maxson.
Tidwell, Irene Beatrice; Fort Scott.
Unruh, Albert; Junction City.
*Weller, Emelia; Americus.
*Whaling, Elva Mae; Cedar Vale.
Wilson, Mabel Frances; Edgerton.

UNCLASSIFIED.

*Abberton, Kate; Herington.
*Alderson, Susan; Formoso.
Aldridge, Mrs. James; Emporia.
*Allen, Jewell D.; Oneida.
*Anderson, Beatrice; Americus.
*Anderson, Susan Martha; Oskaloosa.
*Badgley, Edith Marie; Custer, Mont.
*Ball, Ella May; Iola.
*Bartholomew, Hazel; Hudson.
*Bechtel, Freda; Topeka.
*Bouska, Luther, Narka.
Brier, Mable Elizabeth; Emporia.
*Brooks, Ruth; Wilson.
*Buhalts, Mrs. Amelia; Yates Center.
Byrnes, John Sheridan; Emporia.
*Clements, Mrs. Bertha; Emporia.
Cowan, Bessie Agnes; Athol.
Cremer, Mrs. Gladys; Emporia.
*Crick, Lloyd E.; Florence.
Cutler, Mrs. Jessie; Emporia.
*Davis, Clara M.; Ashton.
*Dirks, Emma; Burdett.
*Doyle, Alice; Emporia.
*Duncan, Lucile Rachel; Alden.
*Eichman, Mrs. Mattie; Richmond.
*Elswich, Mary Etta; Perry.
*Enlow, Margaret R.; Kiowa.
*Evans, Mary Louise; Shannon.
*Fisher, Elizabeth; Wichita.
*Followell, E. Maud; Goff.
*Fulmer, Mabel; Cherryvale.
*Gray, Sara M.; Linn.
Hainer, Mabel F.; Emporia.
*Hancock, Ethel; Allen.
*Hawes, Mary Elizabeth; Benton.
*Hersel, Celia; Wichita.
*Hellstern, Kathleen; South Haven.
Hoop, Ella Chloe; Udall.
*Hudson, Agnes Mary; Medicine Lodge.
*Jones, T. E.; Scott City.
*Jordan, Mary A.; Wichita.
*Kanaly, Mary; Troy.
*Killoren, Lurah N.; Powhattan.
*Kirkwood, Mildred; Marysville.
*La Fuze, Mrs. Theressa; Kingman.
*Lansdown, Katie; Wichita.
*Lewis, Margaret T.; Syracuse.
*Lill, Alice; Leon.
*Lill, Mary; Leon.
*Lowry, Mrs. Maude; Wamego.
*McClenanghan, Mary; Greeley.
*McClellan, Marguerite; Olathe.
*McCormick, Genevieve Evelyn; Moran.
*McDonald, Kathryn; Hartford.
*McKanna, Alice M.; Stockton.
*Marshall, Lillian; Lawrence.
*Martin, Thomas Clay; Greenville, Tex.
*Maughlin, Anabel; Sylvia.

UNCLASSIFIED—*Continued.*

*Miller, Marie Laberta; Ingalls.
*Neal, Rosa Katherine; Pratt.
Newman, Pearl P.; Reading.
*Owen, Laberta; Haven.
*Preston, Anita; Garden Plain.
Posposol, Stanley Albert; Lincolnville.
Rasmussen, Gottfrey A.; Emporia.
*Reaka, Wauneta; Bushong.
*Redmond, Alma; Severy.
*Reed, Zora Aurelia; Topeka.
*Ross, Mildred; Sterling.
Russell, Ella; Spring Hill.
*Russell, Stella; Mankato.
*Ryherd, Dorothy K.; Horton.
*Schmahl, Mary Margaret; Topeka.
*Scott, Rosalie; Council Grove.
*Seacat, Jessie; Bucklin.
*Shaw, Vida E.; Junction City.
*Sims, Mattie Lou; Edgerton.
*Slater, Alta R.; Emporia.
*Smith, Grace Belle; Vernon.
*Smith, Ollie; Emporia.
*Snair, Alice; Grenola.
Spencer, Mabel Irene; Topeka.
*Stanley, Mrs. May; Lawrence.
*Startup, Netta Laura; Rossville.
*Steanson, Kate; Oklahoma City, Okla.
*Steele, Ethel D.; Tulsa, Okla.
*Stewart, Mrs. Eva; Garnett.
*Stotler, Katherine; Emporia.
*Thompson, Henry; Cottonwood Falls.
*Turner, Frances; Wichita.
*Waddle, Helen Cleo; Osage City.
*Ward, Edna; Perry.
Watkins, Mrs. Florence; Emporia.
*Watkins, Hazel Alice; Wichita.
Yowell, Lotta A.; Geneva.

MUSIC.

Adams, Mary; Emporia.
Andrews, Ruth; Emporia.
Askew, Vida Larone; Oberlin, Ohio.
Bang, Aorthea A.; Emporia.
Barthel, Evangeline Ruth; Emporia.
*Blank, Pauline; Emporia.
Blim, Miles; Council Grove.
Bramwell, Mrs. Bessie; Concordia.
Brigham, Nira; Council Grove.
*Brim, Grayce; Emporia.
Brown, Arline; Emporia.
Burnap, Harry; Emporia.
Burnap, Mary; Emporia.
Cassady, Mrs. J. A.; Emporia.
Clark, Marjorie; Emporia.
Corbet, Winton; Emporia.
Culbertson, Eleanor; Emporia.
*Dietrich, Louise; Plymouth.
*Doty, Katherine; Emporia.
*Dumbauld, Cypha; Emporia.
*Dwelle, Margaret; Emporia.
Eckdall, Lida; Emporia.
*Elliott, Mayme; Emporia.
Evans, Florence Edith; Emporia.
French, Esther; Emporia.
Fuller, Katherine; Emporia.
*Funk, Mrs. P. C.; Americus.
Griffiths, Hazel M.; Gridley.
Hamlin, Roberta; Emporia.
*Harris, Lucile; Emporia.
Haywood, Elizabeth; Emporia.
*Hellman, Edwin; Emporia.
Hess, Margaret Louise; Emporia.
Hill, Duryee Doris; Emporia.
Hodges, Mabel Amorette; Emporia.
Huggins, Mary Elizabeth; Emporia.
Humphrey, Mary; Emporia.
*Jacob, Edna; Reading.
*Keech, Edith E.; Emporia.
Kell, John; Emporia.
Kellar, Margaret; Emporia.
Kleiwer, Marie; Emporia.
Knox, Zellia; Emporia.
Lalouette, Marie; Emporia.
Leach, Catherine; Emporia.
Leatherberry, Margaret; Emporia.
Link, Eugene; Emporia.
Link, Lida Belle; Emporia.
*McKinley, Mrs. Harriet; Strong City.
Mason, Mary; Emporia.
Mayberry, Margaret; Emporia.
Mitchell, Christine; Emporia.
Mitchell, Margaret; Emporia.
*Moore, Roberta; Emporia.
Nation, Ruth Elizabeth; Emporia.
Neighbors, Beatty; Emporia.
*Newman, Eleanor; Emporia.
Nichols, James; Emporia.
*Parks, Bennie A.; San Marcos, Tex.
Peach, Elizabeth; Emporia.
Peterson, Adelle; Emporia.
Piper, Mina; Emporia.
Roberts, Catherine; Emporia.
*Roe, Louise; Emporia.
*Roe, Winifred; Emporia.
*Rogers, Alice; Emporia.
Sallee, Dorothy; Emporia.
Samuels, Owen; Emporia.
Shupe, Lola Christabel; Sitka.
*Sister Frances; Concordia.
Smith, Lela; Emporia.
Somers, Avis; Emporia.
Spielman, Maurine; Emporia.
*Starkey, Louise; Emporia.
*Sterrard, Mabel; Emporia.
Stewart, Mabel Edith; Emporia.
Thompson, Rilie; Emporia.
Waller, Juanita; Emporia.
Waring, Evelyn; Emporia.
*Wayman, Mrs. Lee; Emporia.
Williams, Rachel; Emporia.
Wilson, Jack; Emporia.
Woodard, Mona A.; Emporia.
*Ziemmerman, Lillie; Emporia.

JUNIOR HIGH SCHOOL AND ELEMENTARY TRAINING SCHOOL.

285 students.

SUMMARY OF ATTENDANCE.

	Women.	*Men.*	*Total.*	
Graduates	41	16	57	
College Seniors	112	75	187	
College Juniors	193	64	257	
College Sophomores	413	59	472	
College Freshmen	1,203	104	1,307	
	1,962	318	2,280	
High School Seniors	124	32	156	
High School Juniors	80	25	105	
High School Sophomores	47	18	65	
High School Freshmen	40	12	52	
	291	87	378	
				2,658
Unclassified	92	6	98	
Music	75	9	84	
Junior High School and Elementary Training School	135	150	285	
	302	165	467	
				3,125
Correspondence			386	
Extension			101	
Night classes			120	
			607	
				3,732

KANSAS COUNTIES REPRESENTED.

The following-named counties—101 in all—were represented during the past year. As younger children make up the classes in the primary, intermediate and grammar grades of the Elementary School, the pupils listed there are largely from Emporia or from the immediate vicinity. Many pupils who are enrolled as from Emporia or Lyon county belong to families who are residing here temporarily for the purpose of educating their children.

Allen	50	Greeley	1	Ottawa	9
Anderson	42	Greenwood	63	Pawnee	6
Atchison	31	Hamilton	2	Phillips	10
Barber	10	Harper	22	Pottawatomie	19
Barton	9	Harvey	22	Pratt	18
Bourbon	11	Haskell	1	Rawlins	1
Brown	33	Hodgeman	1	Reno	28
Butler	37	Jackson	28	Republic	10
Chase	39	Jefferson	44	Rice	21
Chautauqua	10	Jewell	21	Riley	9
Cherokee	5	Johnson	23	Rooks	3
Cheyenne	1	Kearny	4	Rush	8
Clark	9	Kingman	20	Russell	8
Clay	27	Kiowa	8	Saline	23
Cloud	28	Labette	19	Scott	3
Coffey	38	Lane	4	Sedgwick	69
Comanche	1	Leavenworth	31	Seward	7
Cowley	24	Lincoln	8	Shawnee	72
Crawford	6	Linn	16	Sherman	3
Decatur	2	Lyon	1,005	Smith	20
Dickinson	47	Marion	55	Stafford	20
Doniphan	13	Marshall	54	Stanton	1
Douglas	28	McPherson	31	Stevens	6
Edwards	9	Meade	15	Sumner	38
Elk	9	Miami	27	Thomas	3
Ellis	1	Mitchell	12	Trego	1
Ellsworth	10	Montgomery	34	Wabaunsee	21
Finney	7	Morris	42	Wichita	1
Ford	9	Nemaha	44	Wallace	1
Franklin	48	Neosho	27	Washington	21
Geary	20	Ness	9	Wilson	44
Graham	1	Norton	4	Woodson	27
Grant	3	Osage	75	Wyandotte	36
Gray	8	Osborne	10		

FROM OUTSIDE OF KANSAS.

Colorado	6	Missouri	18	Oklahoma	22
Illinois	1	Nebraska	2	Texas	6
Montana	1	Ohio	1		

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VIII. NEW SERIES. No. 8.

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KANSAS STATE NORMAL SCHOOL EMPORIA

GENERAL CATALOGUE

1918-1919

WITH ANNOUNCEMENTS FOR 1919-1920

Entered as second-class mail matter in the post office at Emporia, Kansas.

SUMMER SCHOOL.

June 2 to August 1, 1919.

Courses in Agriculture, Bacteriology, Biology, Botany, Chemistry, Commerce, Drawing, Economics, English, Geography, Geology, German, Government, Histology, History, Home Economics, Hygiene, Kindergarten, Latin, Manual Training, Mathematics, Methods, Music, Observation, Physical Training, Physics, Physiology, Practice Teaching, and Public Speaking suited to the needs of elementary and advanced students will be given in the Summer Term. Ask for special catalogue. Address

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KANSAS STATE NORMAL SCHOOL,
EMPORIA, KANSAS.

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VOLUME VIII. NEW SERIES. No. 3.

KANSAS STATE NORMAL SCHOOL

EMPORIA

GENERAL CATALOGUE

1918-1919

WITH ANNOUNCEMENTS FOR 1919-1920

KANSAS STATE PRINTING PLANT
IMRI ZUMWALT, STATE PRINTER
TOPEKA. 1919
7-6004

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E. W. Hoch	Marion.
Wilbur N. Mason	Topeka.
H. J. Penney	Hays City.
James A. Kimball, Business Manager	Salina.
Floyd A. Baker, Asst. Business Manager	Topeka.
J. T. Lardner, Asst. Business Manager	Topeka.

Calendar for 1919.

JANUARY.

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Calendar for 1920.

JANUARY.

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JULY.

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AUGUST

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OCTOBER.

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NOVEMBER.

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DECEMBER.

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School Calendar, 1919-1920.

(The school year which opens with the Summer Term consists of a Summer Term of eight weeks and of two semesters of eighteen weeks each.)

1919.

May 20, Tuesday, 9:30 a. m.—Commencement exercises.

May 19, 21, 22, 23, Monday, Wednesday, Thursday and Friday.—Semester final examinations.

May 24, Saturday.—Registration of students in residence for the Summer Term.

May 30, Saturday.—*Penalty of $1 for late registration imposed on students in residence.*

May 29, 30, 31, Thursday, Friday and Saturday.—College entrance examinations.

May 31, June 2, Saturday and Monday.—Registration only of former and new students for the Summer Term.

June 2, Monday.—Opening of Summer Term.

June 5, Thursday—*Penalty of $1 for late registration imposed on new students.*

July 4, Friday.—A holiday.

July 31, Thursday.—Term final examinations.

August 1, Friday.—Close of the Summer Term.

August 1, Friday, to September 15, Monday.—Summer vacation.

September 11, 12, 13, Thursday, Friday and Saturday.—College entrance examinations.

September 12, 13, Friday and Saturday.—Registration of only new students for the First (September-January) Semester.

September 15, Monday.—Registration of former students for the First (September-January) Semester.

September 16, Tuesday.—*Penalty of $1 for late registration.*

September 16, Tuesday.—Opening of the First (September-January) Semester.

October 24, 25, Friday and Saturday.—County teachers' examinations.

November 27, 28, Friday and Saturday.—Thanksgiving vacation.

December 24, Wednesday, 6 p. m.—Beginning of Christmas vacation.

1920.

January 5, Monday, 8 a. m.—Close of Christmas vacation.

January 30, 31, Friday and Saturday.—County teachers' examinations.

January 20-23, Tuesday to Friday.—Semester final examinations.

January 23, Friday.—Close of First (September-January) Semester.

January 23, 24, Friday and Saturday.—Registration of students for the Second (January-May) Semester.

January 26, Monday.—Opening of Second (January-May) Semester.

January 27, Tuesday.—*Penalty of $1 for late registration.*

February 15, Sunday.—Founders' Day.

March 12, Friday.—High School play.

March 26, Monday, 8 a. m.—Organization of new midsemester classes.

May 6, Thursday, 8 p. m.—Annual Phi Delta Delta address.

May 7, Friday, 8 p. m.—President's Reception.

May 14, Friday, 8 p. m.—Elementary Training School Operetta.

May 23, Sunday, 11 a. m.—Baccalaureate service.
4 p. m.—Vesper Service, Y. M. C. A. and Y. W. C. A.

May 24, Monday, 8 p. m.—Commencement play.

May 25, Tuesday, 3 p. m.—Alumni business meeting.
8 p. m.—Graduating exercises of the School of Music.

May 26, Wednesday, 9:30 a. m.—Commencement exercises.
12 m.—Commencement dinner.

May 27, 28, 29, Thursday, Friday and Saturday.—College entrance examinations.

May 27, 28, Thursday and Friday.—Semester final examinations.

May 28, Friday.—Close of Second (February-May) Semester.

May 28, 29.—Registration of students in residence for the Summer Term.

May 31, Monday.—*Penalty of $1 imposed on students in residence for late registration.*

June 1, 2, Monday and Tuesday.—Registration of former and new students for the Summer Term.

June 2, Tuesday.—*Penalty of $1 imposed on former students and new students for late registration.*

June 2, Tuesday.—Opening of the Summer Term.

Officers of Instruction and Administration.

Faculty.

THOMAS WALTER BUTCHER, *President.*

A. B., University of Kansas; A. M., Harvard University; graduate study, University of Berlin.

FRANK U. G. AGRELIUS, *Professor of Biology, and Supervisor of Botany, Senior Training High School.*

A. B., A. M., University of Kansas.

LOUISE M. ALDER,[1] *Professor of Kindergarten Education, and Head Supervisor of Kindergarten Instruction.*

A. B., University of Kansas; A. M., Columbia University; Chicago Kindergarten College; graduate study, Columbia University.

JANE K. ATWOOD,[2] *Acting Head, Department of Geography, and Supervisor of Geography, Senior Training High School.*

Ed. B., M. S., University of Chicago.

EDWIN R. BARRETT, *Professor of English, and General Supervisor of English in the Junior and Senior High Schools.*

A. B., Park College; A. M., University of Kansas; graduate study, University of Chicago.

FRANK A. BEACH, *Director of Department of Music, and Professor of Public School Music.*

B. L., University of Michigan; Syracuse University School of Music; Juliani School of Opera, Paris.

ELIZABETH BEYE, *Professor of Home Economics, and General Supervisor of Home Economics in the Elementary Training School, and Junior and Senior Training High Schools.*

B. S., Lewis Institute; graduate study, University of Wisconsin.

WILLIAM SHELTON BIXLER, *Registrar.*

B. S., Lincoln College; Ph. M., University of Chicago; graduate study, University of Indiana and University of Pennsylvania.

EXPLANATION OF REFERENCE MARKS.

1. Resigned July 31, 1918.
2. Leave of absence, 1918-1919.
3. Leave of absence extended to include 1918-1919.
4. Leave of absence effective March 9, 1918, for year 1918-1919.
5. Absent July, 1918.
6. Leave of absence effective June 5, 1918, until services are no longer needed by the American Library Association.
7. Summer School — permanent appointment September 1, 1918.
8. Absent summer 1918—resigned August 15, 1918.
9. Absent September, 1918.
10. Appointed September 1, 1918.
11. Absent summer, 1918.
12. Resigned August 15, 1918.
13. Absent November 5, 1918, to December 1, 1918.
14. Resigned August 15, 1919.
15. Leave of absence 1918-1919.
16. Resigned June 20, 1918.
17. Resigned May 31, 1918.
18. Began March 1, 1918—resigned July 26, 1918.
19. Appointed June 1, 1918.
20. Resigned August 1, 1919.
21. Resigned February 21, 1919.
22. Began March 1 — resigned July 31, 1918.
23. Began March 1, 1919.
24. Appointed September 1, 1918 — resigned February 28, 1919.
25. Appointed September 1, 1918 — Resigned May 31, 1919.
26. Resigned December 31, 1917 — returned to the institution September 1, 1918.
27. Formerly record clerk—became bursar upon resignation of Miss Mabel Ware, August 1, 1918.

HERBERT HILL BRAUCHER, *Professor of Manual Training, and General Supervisor of Manual Training in the Elementary Training School, and Junior and Senior Training High Schools.*

B. S., University of Illinois; Stout Institute.

WILLIS H. CAROTHERS,[3] *Professor of Secondary Education, and Principal of Senior Training High School.*

A. B., A. M., University of Kansas; graduate study, University of Chicago.

HORACE M. CULTER, *Professor of Rural School Administration.*

A. B. in Education, Kansas State Normal School.

JAMES CLARENCE DE VOSS,[4] *Associate Professor of Psychology and Philosophy.*

A. B., A. M., University of Colorado.

JOHN PAYSON DRAKE, *Professor of Physics.*

A. B., A. M., Wesleyan University (Conn.); graduate study, University of Chicago; graduate study, University of Wisconsin.

LILLIAN DUDLEY, *Professor of Modern Languages.*

B. S. in Education, Kansas State Normal School; A. M., University of Chicago; graduate study, University of Berlin.

GEORGE W. ELLIS, *Associate Professor of Mathematics, and Supervisor of Mathematics in the Senior Training High School.*

A. B., A. M., Hamilton College; graduate study, University of Chicago.

FRANKLIN L. GILSON, *Professor of Public Speaking and Expression and Supervisor of Public Speaking in the Senior Training High School.*

Ph. B., Upper Iowa University; Cumnock School of Oratory; University of Chicago; Curry School of Expression.

EMMA L. GRIDLEY,[5] *Professor of Drawing.*

A. B. in Education, Kansas State Normal School; Massachusetts Normal Art School; University of Chicago; Dow's Summer Art School; New York University.

HOMER WOODSON HARGISS,[12] *Coach of Men's Athletics, and Head of Department of Men's Physical Training.*

Kansas State Normal School; College of Emporia; Harvard School of Physical Education.

ACHSAH MAE HARRIS, *Professor of Primary Education, and Head Supervisor of Primary Instruction.*

A. B. in Education, Kansas State Normal School; A. B., University of Michigan; graduate study, University of Michigan; University of Chicago; Chicago School of Music; Columbia University.

W. L. HOLTZ, *Professor of Latin, and Supervisor of Latin in Junior and Senior Training High School.*

A. B., Baker University; graduate study, University of Chicago.

WILLIS H. KERR,[6] *Librarian.*

A. B., Bellvue College, Nebraska; A. M., Columbia University; graduate study, University of Edinburgh.

J. H. LAWRENCE,[7] *Associate Professor of English.*

A. B., A. M., Park College; graduate study, Harvard University.

THEODORE LINDQUIST, *Professor of Mathematics and General Supervisor of Mathematics in Junior and Senior Training High School.*

A. B., Lombard College; M. S., Northwestern University; Ph. D., University of Chicago.

HERBERT G. LULL, *Director of Teacher Training.*

A. B., University of Michigan; A. M., University of Washington; Ph. D., University of California.

H. D. McCHESNEY, *Coach of Men's Athletics, Acting Head of Department of Men's Physical Training, Supervisor of Physical Training in the Elementary Training School, Junior and Senior Training High Schools.*

University of Wisconsin; American College of Physical Training.

JAMES W. MAYBERRY, *Professor of Chemistry.*

A. B., A. M., University of Kansas.

WALTER S. MONROE,[8] *Professor of School Administration, and Director of the Bureau of Educational Measurements and Standards.*

A. B., B. S., A. M., University of Missouri; Ph. D., University of Chicago.

ANNABEL NEWTON,[9] *Associate Professor of English.*

B. L., A. M., Ohio Wesleyan University; A. B., A. M., University of Michigan; graduate study, University of Chicago; graduate study, Oxford University.

L. A. PARKE, *Professor of Commerce, and Supervisor of Commerce in the Senior Training High School.*

LL. B., University of Kansas.

CHARLES R. PHIPPS, *Professor of Agriculture, and Supervisor of Agriculture in the Junior and Senior Training High Schools.*

Eastern Illinois State Normal School; B. S., University of Illinois.

K. H. PORTER,[10] *Associate Professor of American History and Government.*

George Washington University; Armour Institute; A. B., University of Michigan; Ph. D., University of Chicago.

CARL W. SALSER, *Secretary of the Alumni Association, and Director of the Extension Division.*

A. B. in Education, Kansas State Normal School.

WALTER R. SMITH,[11] *Professor of Sociology and Economics.*

Ph. B., Missouri Valley College; Ph. M., Ph. D., University of Chicago; graduate study, Harvard University and Columbia University.

HELEN H. TAYLOR,[12] *Acting Head, Department of Women's Physical Training.*

Graduate, Sargent School of Physical Education.

NORMAN TRIPLETT, *Professor of Psychology and Philosophy.*

A. B., Illinois College; A. M., Indiana University; Ph. D., Clark University.

DOROTHY VESTAL, *Acting Head, Department of Women's Physical Training, and General Supervisor of Physical Training in the Elementary Training School, and Junior and Senior Training High Schools.*

Graduate, Sargent School of Physical Education.

FRANK W. WHITE,[13] *Professor of Physiology and Hygiene.*

M. D., Tufts College; graduate study, Harvard School of Physical Education.

MARY ALICE WHITNEY, *Professor of American History and Government.*

A. B., University of Michigan; A. M., Columbia University; graduate study, University of Chicago; Teachers' College, Columbia University.

PELAGIUS WILLIAMS, *Professor of European History.*

A. B., College of Emporia; A. M., University of Chicago; graduate study, Columbia University.

LYMAN C. WOOSTER, *Professor of Zoölgy and Geolgy.*

Wisconsin Normal School (Whitewater); Washington State Normal School; Beloit College; Ph. D., Milton College; graduate study, Yale University; graduate study, University of Chicago.

VIDA L. ASKEW, *Instructor in English, and Supervisor of English in Junior and Senior Training High Schools.*
A. B., A. M., Oberlin College.

ADA BAUM, *Instructor in Piano.*
Studied with Allen Spencer, American Conservatory.

ZOLA CONSUELO BAUMAN,[14] *Instructor in English and Expression.*
Elmwood Seminary; graduate, Wolfe Hall; graduate, Emerson College of Oratory.

FLORENCE G. BILLIG,[15] *Supervisor of Elementary and General Science, Junior Training High School.*
B. S., University of Chicago.

ANNE BINGHAM,[11] *Head Supervisor in Kindergarten.*
Kansas State Normal School; Columbia University.

H. E. BIRDSONG, *Instructor in English.*
A. B., Bachelor of Journalism, University of Missouri.

F. L. BLACK,[16] *Instructor in Latin, and Acting Principal of Normal Training High School.*
A. B., Culver-Stockton College; A. M., University of Chicago.

ROSALIE BRIGHAM, *Instructor in Piano.*
Studied with Rudolph Reuter, Chicago; Studied with Madame Perry, Chicago.

ANNA HELEN BROGAN,[15] *Instructor in History.*
A. B. in Education, Kansas State Normal School; graduate study, University of Wisconsin; graduate study, University of Chicago.

R. G. CREMER, [17] *Instructor in Commerce, and Supervisor of Commerce in the Senior Training High School.*
Kansas State Normal School.

GRACE DEXTER, *Instructor in Home Economics, and Supervisor of Sewing, Elementary Training School and Senior Training High School.*
A. B., University of Illinois.

DANNETTA M. ECKDALL,[11] *Instructor in Drawing.*
School of Design, Pittsburg, Pa.; Art Students' League; William Chase School of Art, New York; Chautauqua Arts and Crafts Summer School; Atkinson Mentzer Summer School, Chicago; Academy of Fine Arts, Chicago.

L. R. EDMINSTER,[18] *Instructor in American History and Government.*
A. B., Harvard University.

GERTRUDE GAMBLE, *Instructor in Public School Music, and Supervisor of Music in the Senior Training High School.*
Ohio Wesleyan University; Columbia School of Music; National Summer School and Thomas Normal Training School.

MARY GEORGE,[19] *Assistant Supervisor of Primary Instruction.*
Kansas State Normal School.

NELLE GRANT, *Assistant Supervisor of Primary Instruction.*
Kansas State Normal School.

LENA B. HANSEN,[20] *Instructor in Mathematics.*
A. B., University of Michigan.

EVALINE HARTLEY, *Instructor in Voice.*
Studied with Edward Oxenford, Ashford, England; E. Geneve Lichtenwalter, Kansas City, Mo.; Lucy P. Wiggin; Jennie Schultz; Frederick E. Bristol, New York.

GLADYS HAWKINS,[11] *Instructor in Piano.*
State Normal School, Potsdam, N. Y.; Leschetsky Master School, Vienna.

IRENE HOWAT,[17] *Instructor in Physiology and Hygiene.*
A. B., A. M., University of Kansas.

GEORGE KEENAN, *Instructor in Violin, and Supervisor of Orchestra Music in the Training Schools.*
Graduate, Brussels Conservatory.

BESSIE H. KEERAN,[21] *Instructor in English, and Supervisor of English in the Junior Training High School.*
A. B., University of Indiana.

WILLIAM HEBER KELLER, *Instructor in Mathematics and Supervisor of Mathematics, Junior and Senior Training High Schools.*
A. B. in Education, Kansas State Normal School.

LORNA LAVERY,[10] *Instructor in French and Latin, and Supervisor of French and Latin in Junior and Senior Training High Schools.*
A. B., University of Chicago; graduate study, University of California.

MALLAH V. LULL, *Supervisor of Arithmetic, Junior Training High School.*
B. L., Cox College, Georgia; Michigan State Normal College; University of Michigan.

EDNA MCCULLOUGH, *Instructor in Department of Women's Physical Training, and Supervisor of Physical Training in the Elementary Training School and Junior Training High School.*
B. S. in Education, Kansas State Normal School; graduate, Sargent School of Physical Education.

MAUDE MCDANIEL,[17] *Instructor in English.*
B. S., University of Missouri; A. M., University of Wisconsin.

MAUDE MINROW, *Instructor in History, and Supervisor of History and Civics in the Junior and Senior Training High Schools.*
A. B. in Education, Kansas State Normal School; M. A., Columbia University; graduate study, University of Chicago and Columbia University.

KATHERINE MORRISON, *Instructor in Drawing.*
B. S. in Education, Kansas State Normal School; graduate study, Columbia University; diploma, School of Fine and Applied Arts, New York.

HARRY MURRISON,[8] *Instructor in Voice.*
Studied with Max Heinrich; Ellison Van Hoose; F. Wallace Pike; Wilson G. Smith, Cleveland.

MABEL D. MURRISON,[8] *Instructor in Piano.*

HARRIET PRUTSMAN, *Instructor in Piano.*
Graduate Smith College; studied with H. D. Sleeper; studied with Clarence Nixon; studied with Rudolph Ganz.

R. F. RICHARDSON,[22] *Instructor in Psychology and Philosophy.*
A. B. in Education, Kansas State Normal School; Ph. D., Clark University; University of Chicago.

DEAN D. RICKETTS,[23] *Instructor in English.*
A. B., Ohio Wesleyan University.

MABEL SCHLEEF,[10] *Acting Head of the Intermediate Grades Department, and Supervisor of English.*
Howard Payne College, Missouri; A. B., B. S., University of Missouri.

E. P. SHARP,[15] *Instructor in Manual Training.*
Central Manual Training High School; Williamson Trade School, Philadelphia, Pa.

M. L. SMITH,[7] *Instructor in Rural School Administration, and Director of Visual Instruction.*
Pd. B., Kansas Wesleyan University; Kansas State Normal School, Columbia University.

GEORGIA SNYDER,[10] *Principal of the Junior High School, and Supervisor of History and Civics in the Junior High School.*

A. B. in Education, Kansas State Normal School; graduate study, University of Chicago.

DOROTHY SPEARS, *Assistant Supervisor in Kindergarten.*

Kansas State Normal School.

CATHERINE STROUSE, *Instructor in Public School Music, and Supervisor of Music in the Elementary Training School, and Junior and Senior Training High Schools.*

Minnesota State Normal School, Winona; Thomas Training School, Detroit; National Summer School, Chicago.

RUTH M. TRICE,[7] *Instructor in Public Speaking and Expression.*

Southwestern College, Kansas; graduate, Southwestern School of Oratory; graduate, Cumnock School of Oratory; Harvard University; Columbia University.

W. A. VAN VORIS, *Instructor in Science, and Supervisor of Science in Junior and Senior Training High School.*

A. B. in Education, Kansas State Normal School; graduate study, University of Chicago.

ALICE WHITNEY,[17] *Instructor in Home Economics.*

B. S., University of Wisconsin.

EUNICE WATTENBARGER,[24] *Instructor in American History and Government.*

State Normal School, Kirksville, Mo.; A. M., Ph. B., University of Chicago; graduate study, University of Chicago.

MARY P. WAUGH,[25] *Instructor in Department of Home Economics.*

A. B., University of Kansas.

JENNIE WILLIAMS,[15] *Instructor in Geography, and Supervisor of Geography in Elementary Training School*

A. B. in Education, Kansas State Normal School; University of Chicago; Columbia University.

Officers of Administration.

THOMAS WALTER BUTCHER, *President.*

WILLIAM SHELTON BIXLER, *Registrar.*

WILLIS H. CAROTHERS, *Principal of the Senior Training High School.*

WILLIS H. KERR, *Librarian*

HERBERT G. LULL, *Director of Teacher Training.*

CARL W. SALSER, *Secretary of Alumni Association, and Director of the Extension Division.*

NORMAN TRIPLETT, *Acting Dean.*

MARY ALICE WHITNEY, *Dean of Women*

NEALE AKERS, *Secretary, Correspondence-Study Department.*

Kansas State Normal School.

NETTIE ANDERSON,[10] *Secretary, Training School.*

Kansas State Normal School.

VERNE BOWLES, *Library Assistant.*

A. B., Washington University, St. Louis; New York State Library School, Albany, N. Y.

MARY E. EDWARDS, *Secretary, Appointment Bureau.*

HARRIET ELCOCK, *Library Assistant.*
Kansas State Normal School.

KATHERINE FULLER, *Secretary, Department of Music.*
Kansas State Normal School.

GRACE IRWIN,[10] *Secretary, Young Women's Christian Association*
A. B., Baker University; University of Kansas; University of Chicago.

BEATRICE HOOVER, *Secretary to the President.*
Kansas State Normal School.

FAYE HUFFMAN, *Library Assistant.*
Kansas State Normal School.

AGNES KING,[26] *Library Assistant.*
A. B., Buena Vista College; M. A., University of Iowa.

MARY P. KIRTLAN, *Nurse.*
Graduate Arapahoe County Training School for Nurses, Denver; Kansas State Normal School.

GRACE M. LEAF,[17] *Reference Librarian.*
Kansas State Normal School; Simmons College; Library School, University of Wisconsin.

LUCILE OWEN,[27] *Bursar.*
A. B. in Education, Kansas State Normal School.

CORA PARKER,[9] *Library Assistant.*
A. B. in Education, Kansas State Normal School.

JOSEPHINE PELZELL, *Assistant, Registrar's Office.*

MAUDE E. SHORE, *Library Assistant.*
Kansas State Normal School.

Summer School, 1918.

MAUDE BARGER, *Art, Supervisor of Drawing, City Schools, Richmond, Ind.*
Iowa Teachers' College; Chicago Art Institute; Church School of Art.

C. H. BRIGGS, *Student, Washington University Medical School.*
Kansas State Normal School.

A. B. COPE, *Professor of Education, College of Emporia.*
A. B., Campbell College; A. M., University of Kansas; Graduate Study, University of Chicago.

DELLA CRAMER, *Student, Chicago Academy of Fine Arts.*
De Kalb State Normal School; University of Illinois.

MILTON CUSHMAN, *Instructor in History, Central High School, Muskogee, Okla.*
A. B., Tulane University, New Orleans; A. M., Tulane University; University of Chicago.

LIDA HARDY, *Kindergarten Assistant, Topeka, Kansas, City Schools.*
Kansas State Normal School; University of Chicago.

ELLEN ICE, *Instructor in History, Emporia High School.*
A. M., University of Kansas; University of Chicago.

ELIZABETH JOHNSON, *Teacher in City Schools, Emporia, Kan.*
B. S., Kansas State Normal School; University of Chicago.

FRANCES LIDSAY, *Instructor in Art, Topeka High School*
Art Institute, Chicago; San Francisco Institute of Art; Chicago Academy of Fine and Applied Arts; New York School of Fine and Applied Arts.

LORA LOCK, *Instructor in Women's Physical Training, High School, Kansas City, Kan.*
B. S. in Education, Kansas State Normal School; Harvard Summer School of Physical Education.

ETHEL E. LYON, *Instructor in English, Park College.*
A. B., Ripon College; University of Chicago.

HELEN E. MCCULLOUGH, *Assistant, Department of Household Art, University of Illinois.*
A. B., University of Illinois.

ANNA R. MANLEY, *Instructor in English, Leavenworth High School.*
A. B., University of Kansas; University of Chicago; University of Michigan.

H. S. MILLER, *Head, Department of Commerce, Wichita High School.*
M. C. S., Ohio Northern University; M. Acct., Southwestern Business College.

R. E. MOHLER, *Instructor, McPherson College.*
A. B., Mt. Morris College; Michigan Agricultural College; M. S., Kansas State Agricultural College.

E. C. POCOCK, *Superintendent, Cimarron, Kan*
B. S. in Education, Kansas State Normal School.

GRAZELLA PULLIVER, *Educational Representative for Victor Talking Machine Company.*
B. S. in Education, P. S. Music Diploma, Kansas State Normal School.

KATHERINE H. SCOTT, *Private Art Studio, Burlington, Iowa.*
Chicago Art Institute; Chicago School of Industrial Art; Student of William M. Chase.

FRANC SWEET, *Graduate Kansas State Agricultural College*
B. S., Kansas State Agricultural College.

J. R. WILKIE, *Director, Emporia Welfare Association.*
A. B., Center College, Danville, Ky.; M. A., Princeton University; University of Chicago.

ELSIE C. ZIESE, *Instructor in Art, State Normal School, La Crosse, Wis.*
State Normal School, Bellingham, Wash.; B. S., Columbia University.

GENERAL INFORMATION.

HISTORICAL.

The State Normal School of Kansas was located at Emporia by act of the legislature passed in February, 1863; the legislature of 1864 provided for the appointment of a Board of Regents and the organization of the School, and the first appropriation bill, $1,000, for the salaries of teachers, was approved February 29, 1864. The School opened its doors to students and began regular work in the upper room of a school building owned by the city of Emporia, February 15, 1865, with one teacher, L. B. Kellogg, and eighteen students.

The first building for the use of the School erected by the state was dedicated January 2, 1867; the first graduating class, consisting of two young women, was the class of 1867. Since that time the School has graduated more than 3,250 young men and women, and numbered probably 25,000 among its undergraduate students. Almost the entire number of these have engaged for a longer or shorter time in teaching in the schools of Kansas and of other states, and the influence of the School has been a positive and powerful factor in the educational life of the state during all the fifty years of its history.

By the act of the legislature of 1901 the Normal School at Hays, and by the act of the legislature of 1903 the Normal School at Pittsburg, were established as auxiliary to the State Normal School at Emporia, and designated, respectively, "The Western Branch State Normal School" and "The Manual Training Auxiliary."

By act of the legislature of 1913 the management of these schools was placed in the hands of a Board of Educational Administration. By authority of the same act the Normal School at Hays was reorganized as the Fort Hays Kansas Normal School, and the Normal School at Pittsburg as the State Manual Training Normal School.

In 1917, by act of the legislature, the management of the State Normal School passed to a newly constituted Board of Administration, controlling all state institutions, educational, charitable and correctional. This Board assumed its duties July 1, 1917.

PURPOSE.

The act organizing the School and locating it permanently at Emporia provided that its exclusive purpose should be "the instruction of persons, both male and female, in the art of teaching," and designated in general terms such branches of instruction as were then recognized as necessary for the accomplishment of that end. The School throughout its history has been conducted in the spirit of its foundation and with specific reference to its function of preparing teachers for the public schools of the state.

The field of the Normal School as an essential part of the school

system of the state implies a recognition of the principles that proficiency in the art of teaching is dependent upon thorough knowledge of the fundamental principles of the science of teaching, that this knowledge should be both historical and philosophical, and that clear conception of methods can most readily be attained by an intelligent study of them in practical operation.

The Normal Schools of the state, then, organized into one system, assume as their field specifically the professional function. The place and value of every subject in the course of study is determined by its relation to this end, the method of approach to every subject of instruction has the teaching purpose practically in view, and in every way the Normal Schools seek to develop a distinctive teaching atmosphere, to foster the best expression of the teaching spirit, and to set the highest standards for teaching preparation.

To fulfill this mission adequately, and to meet the legitimate demands made upon them, the Normal Schools recognize that they must touch every phase of public-school life in the state, must lay the foundations of broad and thorough scholarship and professional training for every grade of school work, and must seek to be progressive centers of educational thought and disseminators of the best teaching ideals to the schools of every community.

LOCATION.

Emporia, the home of the State Normal School, is a city of approximately 10,000 inhabitants, situated between the Neosho and Cottonwood rivers, in a beautiful and healthful location, easily accessible from all parts of the state. Its railroads are the main line and three branches of the Atchison, Topeka & Santa Fe Railway, and the Neosho branch of the Missouri, Kansas & Texas.

Emporia combines ideally the characteristics of a model school town. It is a substantial business city in the center of a prosperous agricultural community. Its well-kept lawns, its commodious and comfortable homes, its public buildings, and its numerous schools and churches are external evidence of the spirit of the community; it has also been known as one of the most attractive residence and home cities of the West. It is often designated as a city of schools and churches, and the educational and moral tone of the community is wholesome and helpful in the highest degree.

Students find a cordial welcome to their church homes in the various places of worship in the city, and they have no difficulty in finding places for room and board with congenial surroundings where the moral safeguards are the very best. Many families in the city are particularly identified with the life of the School because they have been especially attracted to Emporia as a place of residence by its educational opportunities.

BUILDINGS AND GROUNDS.

The Normal School grounds are located immediately adjacent to the city at the north end of Commercial street, the leading business street of Emporia. The original campus of twenty acres has been enlarged by

successive purchases so that it now includes about thirty-five acres, including one of the most satisfactory and best-equipped athletic fields in the state. The group of buildings includes:

PRESTON B. PLUMB MEMORIAL HALL.

The new administration and main recitation building was completed in 1917. The legislature of 1915 appropriated $175,000 for this building. The building is T-shaped, with the broad arm in front, facing the head of Commercial street, three hundred feet directly north of the old main building, which later will be removed. The dimensions are as follows: Main wing, 268 feet front, 82 feet side; rear wing (auditorium), 96 feet front, 113 feet deep. The materials are brick and stone, with reinforced concrete floors throughout the four stories. The building provides eighty-five class and office rooms, three rest rooms and two check room; also, the auditorium is entered from the main-floor rotunda, and seats 2,750 people; it is provided with ample stage and orchestra facilities.

THE KELLOGG LIBRARY.

Named in honor of Lyman Beecher Kellogg, first president of the School. It was completed in 1903; an attractive building in exterior and interior. In arrangement and equipment it is well adapted to the purposes of a modern educational library. On the first floor are the young people's department, library science department, an educational document room, and lecture room. On the second or main floor are the reading room, reference department, the loan desk, the stacks, the cataloguing rooms, and the librarian's office.

THE TRAINING SCHOOL BUILDING.

Completed in 1905. It is arranged especially for practice teaching, and contains accommodations for the kindergarten and the eight grades of the common schools. It has a good equipment, with playroom, manual training, kindergarten, kitchen, and ample playgrounds. It is notable for its good light and ample ventilation. Valuable and appropriate pictures are on the walls. Its equipment is being added to from year to year.

THE NORTON SCIENCE HALL.

The building was named, by authority of the Regents, "The Norton Science Hall," in honor of Henry B. Norton, first teacher of natural science in the School and associate principal under L. B. Kellogg. Modern laboratories and lecture rooms, equipped with the best scientific apparatus, are provided for the science work. The museum is rich in specimens illustrating the various lines of biological science.

GYMNASIUM AND ATHLETIC FIELD.

The gymnasium is one of the very best in the Middle West. It is in every respect modern, and is designed exclusively for the Department of Physical Education. The basement is almost entirely above ground, allowing plenty of light and direct ventilation. It is equipped with dressing rooms, steel lockers, shower baths and a swimming pool. The first floor, which is 185 by 66 feet in size, is divided by a rolling

partition into two gymnasiums. One of these rooms is fitted for basket ball, baseball and other indoor games. The second floor has an exercise room equipped with all modern gymnasium apparatus. The especially attractive feature of the building is the large basket-ball and exhibition rooms which, with its visitors' gallery, provides ample room for two thousand spectators. Adjoining the gymnasium is what is conceded to be the best athletic field in the state. This field, which is thoroughly tiled and drained, is provided with a quarter-mile cinder running track, with a 220-yard straightaway. It also has two football gridirons, three baseball diamonds, and nine tennis courts. Adjoining this field is a children's playground and a well-kept space for girls' athletic sports. The size and excellent equipment of the gymnasium, together with the variety of outdoor athletic possibilities and the large staff of expert teachers and coaches, prepares the Normal to more fully train teachers for the athletic and playground work required of teachers than any other school in the West.

MUSIC HALL.

Directly east of the Main Building. The building contains private studios for the instructors in instrumental and violin music, recitation rooms for classes in theory and harmony, and an office. It is well lighted by electricity, and furnishes very comfortable and convenient accommodations for the work of music.

THE EMERGENCY HOSPITAL.

Provided with equipment necessary for the care of the students who are ill. A trained nurse is in charge of the hospital. A small fee is required of all students for meeting the expenses of the nurse. The plan of caring for sick students has proved very effective. Precautionary and preventive measures have checked epidemics and conserved health.

THE HEATING PLANT.

Situated in the rear of the other buildings. It is equipped with a modern boiler and engine which furnish heat for all the buildings.

USE OF THIS CATALOGUE.

Prospective students will find by a careful study of this catalogue that they will secure in most cases the information desired.

Admission and Registration.

NEW STUDENTS.

Before coming to the State Normal School, persons should in all cases submit credits by the dates indicated below in order that they may make sure of admission to high-school courses, to college courses, or that the work submitted for credit will apply on the requirements for the certificate or diploma desired. The following paragraphs concerning admission should be read carefully. Careful attention in advance to these details often saves disappointment later.

All communications regarding admission should be addressed to the Registrar.

ADMISSION TO HIGH SCHOOL.

Anyone who has completed the work of the common schools is admitted to the Normal Training High School.

Anyone who has any high-school credits should ask the principal to send a transcript of the record, which should show the name of each course taken, the number of recitations or laboratory hours per week, the length of these hours, the number of weeks given to each course, the final grade, and the time spent. *Monthly or yearly report cards or diplomas will not be accepted.* Blanks for transcribing records will be furnished by the Registrar, to whom transcripts of record should be sent as early as May 15 if the student is planning to enter the following Summer Term, and by August 15 if the student is planning to enter in September.

ADMISSION TO COLLEGE.

1. Admission by Certificate of Graduation.

The requirements for admission of graduates of accredited high schools in Kansas to the Kansas State Normal School have been fixed by legislative enactment, which by section 8875, General Statutes of 1915, provides that:

"Any person who shall complete a four-year course of study in any high school accredited by the State Board of Education shall be entitled to admission to the freshman class of the State University, the State Agricultural College or any of the State Normal Schools on presenting a statement containing a transcript of his high-school record signed by the principal of the school and certifying that such person has satisfactorily completed said course of study."

Persons seeking admission to College courses should ask the principal of the high school attended to send to the Registrar, on blanks furnished for this purpose, a transcript of their high-school record, which must show the name of each course, the number of weeks given it, the number of recitation or laboratory hours per week, the length of these hours, the final grade, the duration of time spent in the school attended, and the date of graduation. *Monthly or yearly report cards and diplomas will not be accepted.* This information should be sent as early as May 15 if the person desires to enter in the Summer Term, and by August 15 if the person desires to enter in September. A checking is made of the work submitted, and an admission card is sent to the student, enabling him to know, in advance of entrance, his classification and standing.

Students who have overlooked securing a transcript of high-school record find it necessary to make use of the long-distance telephone or telegraph in securing credits before being admitted.

2—Emporia Cat.—6004

ACCREDITED HIGH SCHOOLS.

The following is a list of the high schools accredited, or approved, for the year 1917-1918.

Accredited.

CLASS A.

Abilene.
Alma.
Anthony.
Arkansas City.
Ashland.
Atchison.
Belleville.
Beloit.
Burlington.
Chanute.
Chapman.
(Dickinson Co.)
Cherryvale.
Clay Center.
(Clay Co.)
Coffeyville.
Colby.
(Thomas Co.)
Columbus.
(Cherokee Co.)
Concordia.
Cottonwood Falls.
(Chase Co.)
Dodge City.
Douglas.
Effingham.
(Atchison Co.)
El Dorado.
Ellsworth.
Emporia.
Eureka.
Fort Scott.
Frankfort.
Galena.
Garden City.
Garnett.
Girard.
Goodland.
(Sherman Co.)
Great Bend.
Greensburg.
(Kiowa Co.)
Hays.
Hiawatha.
Hoisington.
Holton.
Horton.
Humboldt.
Hutchinson.
Independence.
(Montgomery Co.)
Iola.
Junction City.
Kansas City.
(Argentine High.)
(Central High.)
(Sumner High.)
Kingman.
Kinsley.
Larned.
Lawrence.
Leavenworth.
Lindsborg.
Lyons.
Manhattan.
Mankato.
Marion.
Marysville.
McPherson.
Medicine Lodge.
Minneapolis.
Neodesha.
Newton.
Nickerson.
(Reno Co.)
Norton.
(Norton Co.)
Olathe.
Osawatomie.
Osborne.
Ottawa.
Paola.
Parsons.
Pittsburg.
Pratt.
Rosedale.
Sabetha.
Salina.
Smith Center.
Stafford.
Sterling.
St. John.
Topeka.
Valley Falls.
Wakeeney.
(Trego Co.)
Wamego.
Wellington.
(Sumner Co.)
Wichita.
Winfield.
Yates Center.

CLASS B.

Altamont.
(Labette Co.)
Alton.
Altoona.
Argonia.
Augusta.
Axtell.
Baldwin.
Belle Plaine.
Blue Rapids.
Bucklin.
Burlingame.
Burr Oak.
Caldwell.
Caney.
Canton.
Cawker City.
Cedar Vale.
Cimarron.
Clearwater.
Clifton.
Clyde.
Coldwater.
Colony.
Council Grove.
Downs.
Ellinwood.
Erie.
Eskridge.
Fairview.
Florence.
Formoso.
Fowler.
Fredonia.
Glen Elder.
Greenleaf.
Halstead.
Harper.
Hartford.
Herington.
Highland.
Jewell.
Kincaid.
Kiowa.
La Harpe.
Lebanon.
Liberal.
Lincoln.
Little River.
Logan.
Lucas.
Lyndon.
Macksville.
Moline.
Mt. Hope.
Ness City.
Nortonville.
Oakland.
Oberlin.
(Decatur Co.)
Onaga.
Osage City.
Oskaloosa.
Peabody.
Phillipsburg.
Pleasanton.
Rose Hill.
Russell.
Sedan.
Sedgwick.
Seneca.
Stockton.
Syracuse.
Tonganoxie.
Troy.
Valley Center.
Washington.
Waterville.
Wathens.
Waverly.
Wellsville.
Wetmore.
Wilson.

CLASS C.

Alden.
Allen.
Almena.
Attica.
Atwood.
(Rawlins Co.)
Belpre.
Blue Mound.
Bonner Springs.
Bronson.
Brookville.
Buffalo.
Burns.
Burrton.
Centralia.
Chase.
Cheney.
Cherokee.
(Crawford Co.)
Coats.
Conway Springs.
Delphos.
Dighton.
(Lane Co.)
Ellis.
Elwood.
Enterprise.
Gardner.
Garfield.
Greeley.
Gypsum.
Hanover.
Harveyville.
Hill City.
Howard.
Jetmore.
(Hodgeman Co.)
La Crosse.
Lakin.
Lansing.
Lebo.
Leon.
Leoti.
(Wichita Co.)
Lewis.
Lovewell.
Luray.
Madison.
Maize.
Marquette.
McLouth.
Meade.
Melvern.
Moran.
Morrill.
Mound City.
Moundridge.
Mulberry.
Mulvane.
Natoma.
Norwich.
Oakley.
Oswego.
Oxford.
Ozawkie.
Pawnee Rock.
Perry.
Plainville.
Pomona.
Protection.
Quenemo.
Quinter.
Randolph.
Ransom.
Reading.
Robinson.
Rossville.
Scandia.
Scott City.
Severy.

CLASS C—*continued.*

Silver Lake.
Soldier.
Solomon.
Spearville.
Spring Hill.
St. Francis.
St. Marys.
Summerfield.
Sylvan Grove.
Toronto.
Tribune.
(Greeley Co.)
Wakefield.
White City.
White Cloud.
White Water.
Williamsburg.

CLASS D.

Abbyville.
Ada.
Admire.
Agenda.
Agra.
Alta Vista.
Americus.
Andover.
Anthony.
(Spring Twp.)
Arlington.
Asherville.
Assaria.
Athens.
Atlanta.
Auburn.
Barclay.
Barnard.
Barnes.
Baxter Springs.
Bazine.
Beattie.
Benedict.
Bennington.
Bentley.
Benton.
Bern.
Berryton.
Brownell.
Bunkerhill.
Burden.
Bushong.
Carbondale.
Cassoday.
Cedar.
Chetopa.
Circleville.
Claflin.
Clayton.
Codell.
Corning.
Courtland.
Covert.
Cuba.
Culver.
Cunningham.
Delia.
Denison.
Denton.
Derby.
De Soto.
Dexter.
Dunlap.
Easton.
Edna.
Edwardsville.
Elkhart.
Elsmore.
Englewood.
Esbon.
Eudora.
Everest.
Falun.
Ford.
Fulton.
Galva.
Garden Plain.
Gaylord.
Geneseo.
Glasco.
Goddard.
Goff.
Grenola.
Gridley.
Grinnell.
Hamilton.
Hamlin.
Hardtner.
Harlan.
Haven.
Havensville.
Haviland.
Hazelton.
Healy.
Hillsboro.
Hollenberg.
Hoxie.
(Sheridan Co.)
Hoyt.
Hugoton.
(Stevens Co.)
Ingalls.
Inman.
Irving.
Isabel.
Jarbalo.
Johnson.
(Stanton Co.)
Kanopolis.
Kansas City.
(Wilson.)
Keats.
Kensington.
Kipp.
Kirwin.
La Cygne.
Lane.
Latham.
Lecompton.
Lenora.
Le Roy.
Longford.
Louisville.
Mahaska.
Maplehill.
McCune.
McDonald.
Meriden.
Merriam.
Mildred.
Milton.
Minneola.
Montezuma.
Morehead.
Morganville.
Morland.
Mound Valley.
Muscotah.
Narka.
Neosho Falls.
Neosho Rapids.
Netawaka.
New Ulysses.
(Grant Co.)
Norway.
Offerle.
Oketo.
Olsburg.
Oneida.
Overbrook.
Palco.
Paradise.
Parkerville.
Paxico.
Plevna.
Portis.
Potter.
Potwin.
Powhattan.
Preston.
Pretty Prarie.
Princeton.
Randall.
Redfield.
Republic.
Richmond.
Riley.
Rock Creek.
Rosalia.
Rozel.
Russell Springs.
Saffordville.
Santa Fe.
(Haskell Co.)
Savonburg.
Sawyer.
Scranton.
Severance.
Sharon.
Sharon Springs.
Simpson.
Spivey.
Stark.
Stilwell.
St. John.
(Antrim.)
Sylvia.
Tampa.
Tescott.
Thayer.
Topeka.
(Highland Park.)
Towanda.
Turon.
Udall.
Utica.
Vermllion.
Vinland.
Viola.
Waldo.
Walnut.
Walton.
Webster.
Welda.
Westmoreland.
Westphalia.
Wheaton.
Whiting.
Wilmore.
Wilsey.
Winchester.
Windom.
Winona.
Woodbine.
Woodston.

Approved.

THREE-YEAR COURSE OF STUDY.

Adams.
Alexander.
Bird City.
Bushton.
Climax.
Elk City.
Grainfield.
Herndon.
Hunter.
Overland Park.
Padonia.
Plains.
Reserve.
Vernon.
Willis.

TWO-YEAR COURSE OF STUDY.

Arma.
Bavaria.
Belvue.
Brewster.
Bucyrus.
Durham.
Elk Falls.
Elmdale.
Elmo.
Galesburg.
Girard.
(Fairview.)
Halifax.
Ionia.
Jennings.
Liberty.
Nashville.
Norcatur.
Prairie View.
Prescott.
Rolla.
Roxbury.
St. George.
Talmage.
Topeka.
(Shorey.)
Traer.
Tyro.
Wayside.
West Mineral.

ONE-YEAR COURSE OF STUDY.

Kanorado.
Trousdale.

Private Institutions Accredited but Not Classified.

Atchison—
Mt. St. Scholastica Academy.
Baldwin—
Baker University Academy.
Concordia—
Nazareth Academy.
Dodge City—
St. Mary of the Plains Academy.
Emporia—
Normal High School.
Hesston—
Hesston Academy.
Hillsboro—
Tabor College Academy.
Kansas City—
Catholic High School.
Lawrence—
Oread High School.
Leavenworth—
Catholic High School.
St. Mary's Academy.
Lindsborg—
Bethany College Academy.
Manhattan—
Sacred Heart Academy.
McPherson—
Central College Academy.
McPherson College Academy.
Miltonvale—
Wesleyan Academy.
Newton—
Bethel College Academy.
Northbranch—
Northbranch Academy.
Ottawa—
Ottawa University Academy.
Paola—
Ursuline Academy.
Salina—
Kansas Wesleyan Academy.
Sacred Heart Academy.
Topeka—
Catholic High School.
College of the Sisters of Bethany.
Washburn College Academy.
Wichita—
Friends University Academy.
Mt. Carmel Academy.

NONRESIDENTS.

Any applicant for admission who is a graduate of a high school in another state will be admitted to freshman courses if the high school is accredited by the state university of that state.

ADMISSION TO ADVANCED STANDING.

The regulations governing admission to advanced standing are administered by a committee which examines into the merits of each case presented to it. Credit given depends on the individual case. These regulations are as follows:

1. Applications for advanced standing must be made at the time of entrance.

2. A transcript of record should be sent to the Registrar, which should indicate the name of each course, the number of weeks given to it, the number of recitation or laboratory hours per week, the length of these hours, the final grades, the duration of time spent in the institution attended, the degree conferred if any, with date, and the status of the student.

3. Advanced standing will not be given for work done during a four-year course of study in high school, academy or other preparatory school. College credit for work done in preparatory schools will be given upon examination only, and only for work done after graduation.

4. The maximum of advanced standing for junior college course of study is sixty semester hours. Such work will be rated only as junior college work. The maximum of advanced standing for work done during a four-year college course is ninety hours, except in cases where the candidate elects to meet the residence requirement in three summer terms for a degree, in which case the maximum advanced standing is ninety-six hours.

5. All advanced standing credit is provisional and may be withdrawn if the student's record does not justify the credit given at the time of entrance.

6. No credit will be allowed for irregular educational work, like teaching in institutes, or for high grades on certificates, nor shall successful educational experience constitute a presumptive claim for advanced standing. Recognition of long and meritorious service, which can be shown to have been really educational, however, may be made by the Committee on Advanced Standing, based upon departmental examination wherever possible.

All inquiries concerning advanced standing should be addressed to the chairman of the Advanced Standing Committee.

UNCLASSIFIED STUDENTS. The following regulations should be noted:

Persons who have the maturity and experience and approval indicated, although unable to meet college entrance requirements, are admitted to college courses.

1. All applicants for this kind of admission must be at least twenty-one years of age and have as much as three years of successful teaching experience.

2. The written approval of the head of the department in which college work is desired must be presented to the Registrar, who will furnish an application card for this purpose.

3. Unclassified students are subject to the usual requirements governing amount of credits, hours of preparation, hours of classroom and laboratory work, examinations and physical training. Unclassified students who prove unable to carry satisfactorily the work to which they have been admitted will be required to take work of lower grade.

4. Unclassified students who later desire to become applicants for any certificate or diploma must submit the required work for college entrance.

2. ADMISSION BY EXAMINATION.

Persons who cannot submit fifteen acceptable units of accredited high-school work are required to sustain creditable examinations in sufficient work selected from the following courses. Courses submitted for college entrance indicated must include courses as required and a sufficient number of other courses that the total credit may be fifteen units.

Dates of these examinations are indicated in the school calendar.

ENGLISH:

May be submitted: Composition and Rhetoric, and Literature, 4 units.

Required: Composition and Rhetoric, and Literature, 3 units.

MATHEMATICS:

May be submitted: Algebra, 1½ units; Plane Geometry, 1 unit; Solid Geometry, ½ unit; Trigonometry, ½ unit; Arithmetic, ½ or 1 unit.

Required: Algebra, 1 unit; Geometry, 1 unit.

FOREIGN LANGUAGES:

May be submitted: Latin, 1 or more units; German, 1 or more units; Spanish, 1 or more units; French, 1 or more units.

Required: No requirement, but see General Catalogue for requirements for degree of Bachelor of Science in Education.

PHYSICAL SCIENCE:

May be submitted: Physics, 1 unit; Chemistry, 1 unit; Physical Geography, ½ or 1 unit.

Required: 1 unit.

BIOLOGICAL SCIENCE:

May be submitted: Botany, 1 unit; Agriculture, 1 unit; General Biology, 1 unit; Physiology, ½ or 1 unit.

Required: 1 unit.

HISTORY AND GOVERNMENT:

May be submitted: Greek and Roman History, 1 unit; Mediæval and Modern History, 1 unit; English History, 1 unit; American History, 1 unit; Civics, ½ or 1 unit; Economics, ½ or 1 unit.

Required: History, 1 unit.

MISCELLANEOUS:

May be submitted: Psychology, ½ or 1 unit; Methods of Teaching and School Management, ½ or 1 unit; Bookkeeping, 1 to 2 units; Commercial Law, 1 unit; Commercial Geography, ½ unit; Manual Training, 1 to 2 units; Drawing, ½ or 1 unit; Domestic Science or Art, 1 unit; Music, 1 unit; Elementary Science, ½ or 1 unit.

REGISTRATION.

STUDENT ADVISERS. Each high-school and college student comes under the direct advisory control of some member of the Faculty who assists him in outlining his work.

TIME FOR REGISTRATION. Students in attendance the second semester and who intend to remain in school for the Summer Term will register on May 24. A fee of $1 will be charged for late registration, unless valid reason can be shown for not registering on one of these days.

New students will register on May 31, or June 1.

New students who enter in September will register Friday and Saturday, September 12 and 13 (see under "Admission" concerning credits). Former students who resume their work at this time are required to register Monday, September 15. A fee of $1 for late registration will be imposed in cases where registration is not completed within the time specified.

PLACE OF REGISTRATION. The work of registration of students is done in the gymnasium, the east half of the second floor being given to the work of high-school students; the west half of the second floor to college students.

ROUTINE OF REGISTRATION. The following steps in the process of registration of students should be carefully noted:

1. *New students* must report first at the Registrar's office, 122 Plumb Memorial Hall, and secure *Admission Card.* (See above concerning credits.)

2. *Former college students* must secure *Course Book* at this office.

3. *All high-school students* shoulld consult the Principal concerning courses to be taken. *All college students* should apply to the Dean for assignment to an Adviser, and secure *Preliminary Registration Card.*

4. Under direction of this Adviser, student should fill in *Preliminary Registration Card,* showing all courses to be taken, work in physical-training practice being included. (For amount of work that students may take, see paragraph below.)

5. *An Assignment Card* should be secured from the head of the department for each course to be taken.

6. The Adviser should be asked for his signature to program made up, which should now be copied on the *Registration Card.*

7. All women students must register with the Dean of Women before paying fees.

8. Fees should be paid to the Bursar. Class attendance is not permitted until all fees have been paid, or an arrangement satisfactory to the Bursar is made for payment.

9. All printed directions on cards used in registration should be observed.

PHYSICAL-TRAINING PRACTICE is required of all high-school students and of college freshmen and sophomores. There are no specific requirements except in the cases of students working for the Special Certificate in Physical Training and in the case of those majoring in Physical Training.

CHANGES IN REGISTRATION. A student having registered is a member of such classes until changes are properly made. Credit will not be recorded except in accordance with the student's registration.

Any student who wishes to change his registration must present to the Registrar within *one week* after the opening of the semester, or term, his student card, no erasure, change or addition having been made in his program of studies as first made up.

High-school students desiring a change in registration must first present this card to the Principal and then to the Registrar.

Students are not permitted to take up other work except in the way described.

AMOUNT OF WORK. High-school students are not permitted to register in more than four courses, or in less than two courses. With the permission of the Principal mature persons with teaching experience may carry five courses.

College students are not permitted to register for work giving less than eight hours credit, not including credit for one-half hour of physical-training practice, or without permission of the Committee on Extra Hours to register for work giving more than sixteen hours credit, not including credit for one-half hour of physical-training practice. Application blanks for extra hours may be had of the chairman of the Extra Hours Committee. They should be filed with the committee within the time indicated for registration.

Students working for board and room, or either, should take less than regular work.

VISITORS. Occasional visitors in classroom or laboratory work are, of course, welcome, but all persons who wish to be visitors any length of time beyond a few days must register, whether credit is desired or not.

It is not permitted students registered as "visitor" to change the registration for "credit" after the first week of the semester (or term), and then only if the rules governing the amount of work permit.

EMPORIA ADDRESS. Students should indicate their Emporia address and telephone number on registration card. If these are not known at

the time of entrance, they should be reported promptly after the student is located. Failure to have this information makes impossible the delivery of letters and telegrams, and students' relatives and friends have often been unable to find them.

Letters that cannot be delivered are returned to the post office, and then sent to the dead letter office. Ask at the office of the Registrar for a card for sending this information when it must be delayed.

IRREGULAR STUDENTS. The student is irrregular who takes more than one course in any department, except as it can be shown that such choice of courses is conforming to the course of study. Students who are irregular pay fees as indicated below.

SUSPENSION. High-school students who fail in *two* courses (one course in the Summer Term) and college students who fail in *six* hours work (three hours in the Summer Term) are suspended for the next semester, or term. Suspended students may be reinstated only by the President.

FINAL EXAMINATIONS. Semester and term *final examinations* are given as follows:

1. In all courses, except physical-training practice.
2. Seniors graduating at the close of the second semester shall be excused from the examinations of that semester, provided their work is satisfactory.
3. Final examinations of the Summer School will be given at the last meeting of the class, the lecture hour being distributed to increase the period to sixty minutes.

ABSENCES. 1. For every "cut" there shall be deducted from the student's total credit, one-sixteenth of a semester hour.

2. An absence occasioned by any school activity, serious illness, quarantine and death or serious illness in the student's immediate family shall not be considered as a "cut."

3. An absence during the two days immediately preceding or following a vacation, and not coming under section 2, shall count as a "double cut."

4. Three cases of tardiness shall be construed as one "cut."

FEES.

All fees must be paid at the time of registration, or an arrangement made with the Bursar for payment, before any person is entitled to admission to classes and to other student privileges. Fees will not be refunded except in case of withdrawal within one week after the date of the student's registration. See Special Laboratory fee.

LATE REGISTRATION. A considerable amount of extra work and a great deal of confusion is caused by the neglect of students to register at the time set for this purpose. A fee of $1 will be charged those who do not register at the time provided, unless they present an acceptable excuse for the delay.

A STUDENT ACTIVITY fee of $2.50 each semester and $1 for the Summer School is charged each student. This admits the student to all

athletic contests, all numbers on the lecture course, debates, moving pictures, etc. It also gives the privilege of playing tennis and all other sports.

INCIDENTAL. Each student will pay a fee of $3 for the Summer Term and $3 per semester for general materials and reagents used in class work and for the wear and tear on the equipment in the laboratories, libraries, gymnasiums, etc.

LABORATORY. Students taking work in the sciences, manual training, home economics and other courses where laboratory work is required pay for the materials used. In case of withdrawal of students the unused portion of this fee will be refunded, the head of the department determining the amount due the student.

HOSPITAL. Each school year, or fraction thereof, all students in college and high-school work pay $1 per year, to be used as a fund for the care of the sick. A fuller statement appears below.

TYPEWRITER. A fee of $4 will be charged for the use of the typewriter by students in this subject.

MUSIC. For fees in Music Department, see under that head.

CIVIL SERVICE AND OFFICE COURSES. Students who take courses leading to civil service or office work will pay fees of from $4 to $12 per semester in addition to the regular fees. No special fees are charged for commercial subjects taken with a view to teaching, or as electives in connection with regular courses, unless the student is irregular.

NONRESIDENCE. Nonresident students pay a fee of $10 for the semester and $5 for the Summer Term in addition to other fees. This does not apply to students who have been living in Kansas for six months prior to registration and to students who are residents of Kansas but who have been employed for the past year in another state.

CORRESPONDENCE WORK. Students taking work by correspondence pay fees indicated in special correspondence catalogue.

EXAMINATION. Students pay the regular examination fee of $1 for the privilege of taking the county examination under supervision of the State Normal School.

IRREGULAR FEES. Irregular in one course, $4. See paragraph, *Irregular Students.*

EXAMINATIONS.

COLLEGE ENTRANCE EXAMINATIONS are conducted twice yearly, in May and in September. Such an examination is required of all persons who are unable to submit fifteen acceptable units of accredited high-school work. Persons interested in these examinations should address the Registrar.

EXAMINATIONS FOR HIGH-SCHOOL AND FOR COLLEGE CREDIT are given in cases of merit. Persons interested in high-school examinations should consult the Principal; those interested in examinations for college credit should consult the chairman of the Advanced Standing Committee.

SEMESTER AND TERM FINAL EXAMINATIONS are required in all courses except physical-training practice courses at the close of each session.

County Teachers' Examinations are conducted at the State Normal School. The dates for the June and July examinations have not been announced. Examinations in October, 1919, are given the 24th and 25th; in January, 1920, the 30th and 31st.

Students, upon the payment of the usual examination fee of one dollar for each examination, may take the examination for county certificates, to be conducted under the supervision of the State Normal School. Manuscripts are sent to any county designated by the applicant, there to be examined by the county board of examiners, who will issue certificates to the successful applicants under the same conditions as if the examination has been conducted under their supervision.

WITHDRAWAL.

Any student who wishes to withdraw from school must secure a *card of withdrawal* from the Registrar. A mark of *failure* is entered upon the record of any student who leaves school without having secured authorized withdrawal.

STATEMENT OF ATTENDANCE.

A statement of attendance is often required of students by superintendents or boards of education. Any person desiring such statement should apply at the Registrar's office before the date of leaving school. It is difficult, if not impossible, to determine after the close of the semester the exact number of weeks of attendance. See Withdrawal.

BOARD AND ROOMS.

Board in clubs costs from $4.50 to $6 per week. Those who board themselves reduce the cost somewhat. Coöperative boarding clubs, $4.50 per week. A cafeteria operated by the institution is located on the campus. Students may secure board at nominal prices.

Rooms, $6 to $16 per month, for two students in room, according to size and convenience.

It is not necessary for students to engage rooms before they come to Emporia. It is always more satisfactory to see rooms and to defer making arrangements concerning the transfer of baggage until a satisfactory room has been found.

A faculty committee has direct supervision of the rooming-house facilities. All rooms offered for student use are carefully inspected, and a record made of the conveniences offered, and also of the hygienic conditions, both inside and outside the house, which might have a bearing upon the student's health. The location and the price asked for each room are carefully tabulated, and lists of approved rooms are placed at the disposal of all students immediately on their arrival in Emporia. The lists of girls' rooming houses may be found in the office of the Dean of Women, and the list of boys' rooming houses will be found in the Extension office.

A standing rule of the Normal School requires boys and girls to room in separate houses. Rooms must not be selected which are not found on these approved lists, as the committee has full power to require a

student to move from a location which does not come up to every reasonable requirement of the School. This committee also occasionally visits the boarding clubs in order that they may keep in touch with the general conditions under which food is furnished to the student. Students should report all complaints in regard to accommodations, unsanitary conditions, or contagious disease. Cases of contagious diseases should be reported to the nurse at the Emergency Hospital. Complaints of the girls as to housing conditions should be registered with the Dean of Women and of the men with the Dean of the School.

Students should plan to be in Emporia at least two days before school opens, in order to get the best accommodations. Students desiring to do some work during the school year should write to the Y. W. C. A. or the Y. M. C. A. several days before school opens, stating the kind of work desired.

SUPERVISION OF STUDENT LIFE.

The Dean of Women has special charge of the comfort, health, scholarship and social relations of the young women of the institution.

There are no halls of residence at this Normal School, but suitable homes are provided in private families. These rooms are inspected, and although responsibility for them cannot be assumed by the institution, they are placed on an approved list. By a rule of the institution, women students may room only in such houses as accommodate women exclusively, and which provide a parlor for the reception of visitors. Women students may room in other houses only by the permission of the Dean of Women.

A change in rooming place must not be made by any young woman without permission of the Dean of Women.

All social events must be registered in the Dean's office. Excuses for absences must be presented to her. Women students leaving town must report the same to her. Should a projected trip involve absence from class, permission must be obtained from her. Correspondence with inquiring parents and guardians is desired.

Freshman lectures for girls are given by the Dean of Women once a week during each semester. These lectures present matters of information useful to all just entering college. All Freshman girls and all girls in this School for the first time are required to attend these lectures for one semester of their first year in this School. No credit is given.

CREDIT.

High-school Credit. The *unit* is the measure of high-school work and credit. A high-school course that continues through the school year of thirty-six weeks, with five classroom periods of fifty minutes, is one unit of work and gives one unit of credit. In laboratory courses the number of weeks and the period is the same as in other courses, with three classroom periods and two double laboratory periods per week.

College Credit. The *semester hour* is the measure of college work and credit. A college course that continues through the semester of eighteen weeks, with one period of fifty minutes of classroom work, is

one semester hour of work and gives one semester hour of credit. Laboratory courses require twice as much time as is required in classroom work.

College credit for correspondence study and either form of extension study will be granted only to students who have submitted sufficient work from an accredited high school or from examination to meet college entrance requirements and who have been admitted to college work. Grades of other students will be filled merely and not entered on the record. They will be recorded or transcribed when this requirement is satisfied. Not more than fifty percent of the requirement for any certificate or diploma may be satisfied with credits earned in this way.

OLD COURSES OF STUDY.

The following statement of equivalents is made for the benefit of graduates of courses of study formerly given. Those wishing to continue their work will find here their standing in terms of semester hours of credit. The requirements for the several certificates now given, as well as for the degree of bachelor of science in education, are indicated in their respective places. These are taken at full value in meeting present requirements.

They have, in addition to sufficient work for college entrance, credit value as follows:

Elementary, 32 hours.
English, 64 hours.
English-German, 64 hours.
Latin, 64 hours.

EMPLOYMENT FOR STUDENTS.

Students who desire to earn all or part of their expenses while in school may be able to secure employment of different kinds through the offices of the Y. M. C. A. secretary and the Dean of Women, who are in charge of the Normal Employment Bureau.

Men students receive from twenty to thirty cents per hour for the following kinds of work: Janitor service in buildings and on grounds of the Normal School, making gardens, cleaning and improving yards, caring for livestock, house cleaning, clerking, etc.

Women students receive from twenty to twenty-five cents per hour for the following kinds of service: General housework, care of children, sewing, clerking, ironing, etc.

Full board or board and room for both men and women can often be secured in return for steward service at student boarding clubs, waiting table, washing dishes, cleaning, etc., or for the equivalent of from three to four hours per day in private families.

In many cases persons desiring student help require an interview with students. It is well for those desiring employment to come to Emporia.

For regulation concerning the number of courses that those who do outside work may take, see page 23.

HOSPITAL FUND.

This fund is provided by the fee of one dollar per year paid by all students in college and high-school courses. It is used to pay salary of the head nurse, for such emergency hospital supplies as are necessary, and for unavoidable expenses required for proper care of the sick. The hospital fund has met with generous approval and has contributed to better general health and to the comfort of the students.

The hospital fund is administered subject to the following rules:

1. That the responsibility of the nurse extends to the advising of students in cases of mild illness and to the care of more serious cases until other arrangements can be made.
2. That the building be called the "Normal Emergency Hospital," and the fund be designated "Emergency Hospital Fund."
3. That students will be taken from their rooms to the hospital only in cases of emergency.
4. That patients be cared for in the Emergency Hospital no longer than the time necessary to communicate with their parents or friends and arrangements can be made for their safe removal.
5. That patients cared for in the hospital pay day charges at the rate of seventy-five cents a day. This will cover food and simple remedies, but includes neither doctor's fees nor prescriptions.
6. That patients in the Emergency Hospital may call the physician they prefer, and will be under his care and that of the resident nurse until removed.
7. That cases of contagious disease be not taken into the Emergency Hospital.
8. That a housekeeper be employed at the Emergency Hospital to care for the house and to furnish meals.
9. That the nurse may have certain hours within which she will make calls.

DEPARTMENT CLUBS.

The Mathematics Club is an organization for those students whose major subject is mathematics, and who are especially interested in the current literature regarding the history and the teaching of mathematics. Its membership is restricted to those having full collegiate standing. The meetings are held the second Wednesday evening of each month.

The Modern Language Club is an organization open to all students of the department. It meets on the second and fourth Wednesday evenings of each month of the regular school year. Its chief objects are the discussion of valuable books and periodicals, the observation of important holidays an anniversaries peculiar to the French-, German- and Spanish-speaking countries and the enjoyment of pleasant social hours.

The European History Club is organized for those students who are interested particularly in the study of European history. Its aim is to draw the students through this special interest into closer social and intellectual union. The study of some historical theme is pursued throughout the year, the students themselves taking a large part in the presentation and discussion of the subject. The club meets on the first and third Wednesdays of each month.

THE PHYSICS CLUB meets monthly on Wednesday at 7:30 p. m. From an enrollment of a dozen at its initiation it has grown until the regular attendance ranges from forty to fifty members. The ideals of the club are to arouse greater interest in physics, to promote coöperation and mutual assistance to those who are working in this department, and to encourage deeper study of many of the most common and interesting phenomena and principles.

THE LATIN CLUB is conducted for the benefit of students enrolled in the Latin department and others who may be interested in the study or teaching of Latin. It meets on the second and fourth Wednesdays of each month. The programs consist of papers, reports, dialogues, scenes from standard Latin authors, and short plays given by the students. Frequent addresses and lantern talks are given by the instructors and other members of the Faculty.

THE PHILOSOPHY CLUB is composed of members of the Faculty, advanced students and townspeople. The only qualification required for membership is an interest in philosophy. The club meets Saturday evening of each week.

THE MUSICAL ARTS CLUB consists of the members of the Chorus, Glee Clubs, Treble Clef Club, Orchestra and Band. A social meeting with a short program is held on the third Wednesday of each month. All activities of the club are planned by the students in the organization.

THE ART STUDY CLUB of the Kansas State Normal is a new organization, organized for those students who are especially interested in art. It has as its purpose the study and appreciation of art in its different forms. The club meets the first and third Wednesday evenings of each month.

THE SENATE is a club formed for the discussion of current political problems and for practice in parliamentary law. It is organized under rules similar to those of the United States senate, with the regular senatorial committees and officers.

STUDENT SOCIETIES AND CLUBS.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION has a secretary whose full time is devoted to the service of the men of the Normal. A handbook containing matters of interest and information on all school activities is printed every year, and will be mailed on request to any one who desires it. The information bureau, the coöperative employment plan, the socials, and addresses on things of vital interest to every man, make the Y. M. C. A. a valuable asset to student life. Questions regarding room, board, self help, etc., will be answered so far as possible, and some member of the association will meet any prospective student who will inform the secretary when he expects to arrive in Emporia. Address correspondence to the Secretary of the Normal Y. M. C. A.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION is an organization of the young women of the School. It is one of 660 such organizations for women students in the United States. Its purpose is not only to train young women while in school in methods of service by helping one an-

other, but by this to fit them for greater usefulness when they leave school. The work is carried on by committees under the direction of a cabinet chosen from the membership, and the general secretary, who is employed for full time. Some of the important features of the work are the rest room, a bureau through which many girls obtain employment, meeting new students at the trains and helping them to become acquainted through social occasions and calls, Bible study and mission study, vesper services, and calling on sick girls. Miss Grace Irwin, the general secretary, will be very glad to answer any correspondence in regard to work, plans, or anything that will be helpful to a new student.

STORY-TELLING CLUB. The primary and kindergarten girls, feeling a need of practical work in story-telling and dramatization, have organized a club for this purpose, known as the Story-telling Club. They meet every two weeks and tell stories suggested by the seasons. The programs are occasionally made more enjoyable by the use of music and children's games, while now and then an entire social evening is given.

THE ORATORICAL ASSOCIATION is composed of those interested in oratory. The Normal School participates in two oratorical contests—the contest between the three Normal Schools of the state, and the collegiate oratorical contest. The winner of these contests represents the state in the interstate contests.

THE DRAMATIC CLUB is composed of those who are chosen in the casts of the plays which the college department presents during the year. The selection of the cast is made by the head of the Department of Public Speaking and Expression.

THE FORENSIC FRATERNITY is an honorary fraternity composed of those who have represented the Normal School in debate or oratory. It was organized in the spring of 1916, with a charter membership of sixteen. The purpose of the organization is to further the interests of all forms of public address.

THE NORMAL MASQUES is a dramatic club of the Normal High School. It has for its membership those who are interested in amateur dramatics. They present one full evening play and several short plays each year.

THE IONIAN SOCIETY, a group of thirty wide-awake girls interested in social and literary pursuits. Membership is obtained by election and invitation from the society. Composers, musicians, grand opera and concert performers have their share in the year's programs.

THE ALICE FREEMAN PALMER SOCIETY is a literary society composed of thirty girls chosen from classes above the Freshman class. The society meets weekly, on Saturday, with an occasional social meeting.

THE SIGMA SOCIETY is composed of a group of twenty-five or thirty girls, organized for the purpose of developing social leadership by means of studying social forms and ways of entertainment. It meets once a week at the home of one of the members, when programs are given consisting of music, reading, talks on etiquette and games. Often one particular topic is studied throughout the semester, as musicians, artists and the current events.

THE OMEGA SOCIETY is the oldest girls' society in the School. It was organized by a group of girls desiring special training in literary research and debate. During the eleven years since its organization the society has stood for the best of all school activities, and has swerved from its original purpose only in so far as debate is no longer emphasized. Aside from the literary and educational value of the society, many of the social activities of the School center here.

THE REPRESENTATIVE LITERARY SOCIETY is one of the strong men's societies of the School. It meets weekly for practice in all forms of platform work and parliamentary drill. It is under the censorship of a member of the Faculty, who advises and suggests work for the different members.

THE DELPHIAN LITERARY SOCIETY, although the newest men's society in the School, boasts of the largest membership. The work of the weekly meetings is that done by the usual literary society—debates, orations, readings, and musical numbers. A member of the Faculty acts as critic.

JAYHAWKER DEBATING CLUB. This organization is composed of about twenty-five young men of the College, who meet weekly, on Saturday morning, for the discussion and formal debate of live current topics. At times active parliamentary practice is engaged in, under the criticism of a Faculty member. A good opportunity is thus afforded young men to secure training for public service.

THE NEWMAN CLUB is an organization of Catholic students of the School, formed for purely social purposes. With the organization the purpose was extended to include also the study of some subject of especial interest to the members. The subject chosen for the current year is the history of church development. The officers are a president and secretary, and membership is open to any student in school who may wish to join the club.

THE TREBLE CLEF CLUB is a double quartet of ladies' voices picked from the best in the School of Music, preference being given, when possible, to students of public-school music. The purpose of the club is the study of part songs and their artistic presentation. The instructor is Miss Strouse.

THE COLLEGE GIRLS' GLEE CLUB is open to all college girls whether registered in the Music Department or not. Two periods a week are devoted to the practice of two-, three-, and four-part choruses, chosen with the object of acquainting the girls with material suitable for use later in their own work as teachers. Public performances are given from time to time throughout the school year.

THE CHORUS consists of 150 members. The students enrolled receive college credit for their work. Prof. F. A. Beach is conductor. The organization had several social gatherings in the year.

THE ORCHESTRA has full instrumentation in the forty instruments played by students of the college department and a few Emporia people. The students enrolled in orchestra receive college credit for the work. The annual concert given in March is directed by Mr. George Keenan,

the instructor in stringed instruments. The orchestra accompanies the chorus and the opera work of the school, plays, chapel and many social functions during the year. A high-school orchestra has been organized to train recruits for the larger orchestra, and a grade orchestra has been formed.

THE NORMAL BAND contains thirty instruments played by students who receive regular college credit for their work. The band plays at all athletic events and several social events during the year. The band gave its annual concert in Albert Taylor Hall, under the direction of Mr. M. C. Grady, teacher of wind instruments.

THE HIGH-SCHOOL GLEE CLUB consists of sixteen girls and sixteen boys. The clubs sang at chapel and at several social events during the year.

THE K. S. N. GLEE CLUB is composed of men who are interested. These men are chosen strictly on the competitive basis and receive no credit for their work. The home concert is given annually in Albert Taylor Hall.

A PLATO GROUP meets one or two afternoons each week for the purpose of reading the dialogues of Plato. The study begins with some of the earlier dialogues and proceeds later to the Republic.

THE GIRLS' PHYSICAL TRAINING CLUB is an organization open to all students majoring or minoring in the Physical Training department. The purpose of the club is to further the study of and promote the interest in physical education, to give the girls higher and broader ideals of their work, and to further their social activities. The club promises to be a real, live force in the school.

THE SPORTS AND PASTIMES ASSOCIATION is the only organization open to every girl in school. It was organized to promote girls' athletics by encouraging sports and gymnastics, thus drawing the students through this special interest into closer social union.

THE K CLUB. This club is composed of men who have won the honor "K" in athletics. Its purpose is to better the athletic interests of the school and attract men to the school in a legitimate way.

THE LIBRARY.

The Kellogg Library Building is described on another page, in connection with "Buildings and Grounds."

The library has 44,000 classified and catalogued volumes, 2,000 bound and catalogued pamphlets, and 13,500 unbound classified pamphlets. All material in the library is available, either through classification and filing or through the catalogue. The annual accessions average 3,000 volumes. More than 325 periodicals of educational and general interest are received and preserved. Kansas newspapers to the number of 350 are received regularly and are available to students. The library is open for use 65 hours each week; the average hourly attendance of readers is 100. The staff consists of eight trained library workers.

Some special features of the library are:

Reference Department. An unusually strong equipment of up-to-date book tools—keys to all other books. In vertical file, instantly available by topic, are thousands of newspaper and magazine clippings, affording material not elsewhere available. Also in vertical file are reading and reference lists on several thousand topics, sugesting best sources of information. Government documents and pamphlets are systematically filed, indexed, and available. Educational documents, state and city reports and courses of study are received from all parts of the country, listed and classified The files of bound periodicals in the magazine stack are unusually comprehensive.

School Department. This is a model public-school library in selection, equipment, and atmosphere. It occupies two rooms on the first floor of the Kellogg Library. It has its own librarian and assistant, its own catalogue, and more than three thousand recommended books. Its collection of several thousand mounted pictures, filed by topics in vertical file, its post-card collection and its lantern-slide collection are in constant use. Its facilities are eagerly used by pupils of the Training School, practice and supervision teachers, and visiting teachers and parents.

Extension Service. The library began its extension service in January, 1913. Books, pamphlets, and clippings are sent through the mails to responsible parties, at their expense both ways, for school debates, orations, and essays; for papers and addresses by teachers and school officers; for papers by club women; and for correspondence-study courses conducted by the School. This department also answers many questions on library organization, and the librarian and assistants make addresses or visit libraries for advisory purposes.

EXTENSION DIVISION.

All phases of extension work done by the Kansas State Normal are centralized in the Extension Division. The division consists of the following departments:

APPOINTMENT BUREAU.

This Bureau is managed jointly by the institution and the Alumni Association through a board of seven members. The registration in the bureau is eighteen hundred, and from this number candidates for every line of school work can be selected. Those enrolled are carefully catalogued and classified, so that recommendations may be quickly made. Information concerning candidates is in every case to be returned to the Bureau. The Appointment Bureau insures more certain placing of teachers at graduation and more rapid advancement of those in the field. It provides a systematic method for getting school boards and teachers together. It keeps on file complete and accurate reports as to the success of its teachers. It sends out teachers almost every week in the year.

CORRESPONDENCE-STUDY DEPARTMENT.

The State Normal School is doing a constantly increasing amount of work in correspondence study. Work by correspondence is offered in practically every department of instruction. A fee of $10 per year is required. This work is all outlined in a special catalogue, which may be

had for the asking. This department enables students to make progress whether they can attend school or not.

In conjunction with the work in correspondence study provision is made for the organization of study groups, to be conducted by members of the Faculty. A number of such groups have been organized over the state. Those who complete satisfactorily the work in these groups are given credit which counts toward graduation just the same as work done here in residence. Several such groups are at work this year.

EXTENSION LECTURE DEPARTMENT.

This department offers lectures and entertainments to the communities of Kansas. Every activity of the School is represented in the extension pamphlet issued by this department. Teachers' associations, parents' meetings, social centers, men's clubs, women's clubs and other organizations can select to advantage from the list of lectures and entertainments offered. Special attention is given high-school plays and public-speaking work in high school.

In coöperation with the Library, this department takes care of inquiries as to library helps, book lists, etc. It offers the advice of Faculty members in regard to building and equipment of school plants, methods of instruction, etc. Special effort is made to answer fully every inquiry that is received.

EXTENSION-STUDY CREDIT.

College credit for correspondence study and other forms of extension study will be granted only to students who have submitted to the Registrar sufficient work from an accredited high school, or from examination, to meet college entrance requirements, and have been admitted to college work. Grades of other persons will be filed merely, and not entered on the record. They will be recorded, or transcribed, when this requirement is satisfied.

Not more than fifty percent of the requirement for any certificate or diploma may be satisfied with credit earned in this way. Any amount of high-school work may be done by correspondence. This in no way operates to reduce residence requirements stated elsewhere.

DEPARTMENT OF VISUAL EDUCATION.

This department is under the supervision of a committee chosen because of its interest and experience in the promotion of visual education in the Kansas State Normal School and over the state of Kansas. Through the coöperation of the National Bureau of Commercial Economics and the industrial organizations of the country a valuable library of motion-picture films has been gathered. The department has a well-equipped laboratory for the manufacture of lantern slides, enlargements and transparencies. The already large collection of lantern slides is being increased constantly. Carefully classified collections of photographs, stereographs and prints are being made. This material, with descriptive lectures or syllabi, is sent out upon request, free of charge, to schools, churches, clubs and civic organizations.

In addition to the work in the field the department operates a motion-

picture theater upon the campus and carries on extensive experiments in visual education in the various classes of the Training School, High School and Normal School.

BUREAU OF EDUCATIONAL MEASUREMENTS AND STANDARDS.

This bureau was established by the Board of Educational Administration for the purpose of assisting superintendents and teachers in applying measurements and standards in the public schools of the state. In fulfilling this function a large quantity of valuable data accumulates in the office of this bureau. These data are available to students for the study of educational problems.

RURAL SCHOOL BUREAU.

The Rural School Bureau is a new department added this year to the Extension Division. The bureau is in charge of a board of eight members, each of whom is intimately acquainted with some phase of the work in rural schools. Its chairman is the professor of rural-school administration. The board makes plans in the interest of rural schools and the clerical force of the division sees that they are carried out. Special helps of various kinds are being furnished to rural schools, and through cooperation with county superintendents and several hundred rural teachers plans for bettering the programs and teaching of various subjects are being tried out. This bureau promises to become one of the strongest departments of the division.

PUBLICITY.

The dissemination of all news of the School and all publications, such as its magazine, *Teaching*, and the various special bulletins, is provided by the Publicity Department, under the general direction of the Publicity Committee of the Faculty.

PUBLICATIONS.

In addition to the General Catalogue published in March, the following publications are put out by the Kansas State Normal School:

TEACHING, a magazine published monthly, devoted to all phases of educational and teacher-training work. Six thousand copies of each edition are distributed to teachers and school officers of Kansas. Each issue is devoted to some special educational topic. The magazine is edited by Mr. H. E. Birdsong, of the English Department, and will be sent free of charge to any one in the state of Kansas.

SUMMER SCHOOL CATALOGUE, issued yearly, in January for the Summer School following. Catalogue sent upon request.

CORRESPONDENCE-STUDY CATALOGUE, issued each year by the Extension Division, contains full information concerning courses, fees, time, etc., in correspondence work. This catalogue is sent free to any one upon request.

EXTENSION CATALOGUE, issued annually by the Extension Division, contains full information regarding lectures, lyceum courses and special features of various kinds provided by the State Normal School.

MUSIC CATALOGUE, issued once a year by the Music School, and containing full information about instruction in public-school music, voice, piano, violin, harmony, theory, history of music, etc. Sent on request.

ALUMNI CATALOGUE, issued by the Extension Division, and containing register of alumni as well as other information concerning the school and the Alumni Association. May be had for the asking.

THE SUNFLOWER, the year-book of the School, published by the student body. Distributed through the Annual Staff.

SPECIAL BULLETINS, such as plays and games, school gardening, etc., are published from time to time.

THE STATE NORMAL BULLETIN, published weekly by the students through the Bulletin staff, elected each year from the student body.

ALUMNI ORGANIZATIONS.

The Alumni Department takes care of all alumni meetings and records, publishes an alumni catalogue and news letter from time to time, manages the property of the association, and serves as general alumni headquarters every day in the year.

Inquiries concerning any of these phases of extension work should be addressed to Extension Division, Kansas State Normal, Emporia, Kansas.

THE CAMPUS.

The Kansas State Normal School Campus is rapidly developing into one of the finest in the state. There are many new and attractive features, which make it more useful and more appreciated by the student body.

A complete system of new walks has just been completed. The main walk, twelve feet in width, leads from Commercial street north to Plumb Memorial Hall, and cross walks, six to eight feet in width, connect all buildings on convenient lines.

A new crushed rock drive encircles the front part of the grounds, and new plantings of shrubs, flowers, cedars, evergreens and forest trees make the campus beautiful and refreshing.

The sunken garden, located on the space formerly occupied by the old main building, is nearing completion, and will then be the beauty spot of the whole plan. Formal plantings will be used, the central feature of which will be the 1918 class memorial.

North of the buildings a winding drive, a new large lake, and water plantings will make attractive spots for the students. Ten new tennis courts, a modern playground and three new athletic fields will soon be worked out, and these will afford recreation for the student body.

CHAPEL.

Chapel exercises are held at 10 Monday, Wednesday and Friday.

STUDENTS' LOAN FUND.

The class of 1899 made a gift of $111.60 to be used as a fund for aiding students. The fund was put in the care of a board of trust composed of the president, vice president, and the head of the Department of Physics and Chemistry. Students who are within one year of graduation have preference in securing loans. When their needs have been met other students may secure loans in order of seniority. The plan proved to be satisfactory, and several other classes have added to the fund. Following is a statement of the fund to date, January 21, 1919.

GIFTS BY CLASSES.

Class of 1899	$111.60
Class of 1900	107.56
Class of 1901	141.65
Class of 1905	27.00
Class of 1908	235.00
Class of 1909	168.28
Class of 1910	197.90
Class of 1911	107.16
Class of 1912	79.50
Class of 1913	51.55
Class of 1914	75.00
Class of 1915	84.07
Special, 1916	1.00
Freshmen, 1916	7.20
Class of 1916	70.04
Total gifts to date	$1,464.51
Present worth of Fund, March 1, 1918	2,432.20
Present worth of Fund, January 21, 1919	2,511.61
Contributed by the class of 1918 for future use, Baby Bonds	50.00

This report does not include interest due and unpaid January 21, 1919.

The making of loans is in the hands of the committee above mentioned, of which Prof. James W. Mayberry is treasurer. Students interested should inquire of him.

Certificates and Diplomas.

REGULAR CERTIFICATES AND DIPLOMAS.

GENERAL REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION.

The degree of Bachelor of Science in Education is conferred upon persons who are graduates of accredited high schools, or other preparatory schools of like standing, and who satisfy the following requirements:

LIBRARY LECTURES, *no credit.*

Required in the freshman year.

ENGLISH.

Rhetoric and Composition, 6 hours.

Three hours of rhetoric and composition must be taken in the freshman year.

All students will register for Rhetoric and Composition 1 the first or second semester of the freshman year. Those students who, within the first two weeks of the semester, convince the Faculty of the department of English that they are able to do superior work in rhetoric and composition will be tentatively excused from the first three hours and permitted to undertake the work of the second three hours. Such students who complete the second course satisfactorily will not be required to take the first course, but will be required to offer three hours elective credit.

Literature, 3 hours.

Special Work: All students in the junior or senior year whose work in any department is weakened by poor English, or whose English is found to be notably defective, shall be reported at once by the instructor concerned to the head of the English department, or to a committee of which he shall be chairman. Upon examination such students shall be assigned to regular English classes without credit until they are able to pass a proficiency test in the subject. No candidate will be recommended for a degree until his English is satisfactory.

Public Speaking or Expression, 3 hours.

SOCIOLOGY, 3 hours.

LATIN OR MODERN LANGUAGE, 15 hours.

This requirement is reduced at the rate of five hours for each unit of high-school credit in foreign language, providing that a student may not have less than ten hours of college credit in any one language.

For example, a student offering Latin for college entrance and who takes up the study of French will be required to submit a minimum credit of ten hours of French.

HISTORY.

American History and Government, 3 hours.

Students offering less than one unit of American history and government for entrance will be required to take three hours of American history or government.

European History, 3 hours.

Students offering less than one unit of European history for college entrance will be required to take three hours of European history.

MATHEMATICS, 3 hours.

Students offering less than two units of mathematics for college entrance will be required to take three hours of college mathematics.

PHYSICAL SCIENCE (Physics or Chemistry), 5 hours.

Students who do not offer a unit of chemistry or a unit of physics for entrance will be required to take five hours of physics or chemistry in college.

BIOLOGICAL SCIENCE (Biology or Physiology), 5 hours.

Students offering less than one unit of biological science for entrance will be required to take five hours of biological science.

PROFESSIONAL REQUIREMENTS:

For students preparing to teach in high school.

General Psychology ..... 3 hours.

Students who have had psychology in high school should take Elementary Educational Psychology.

High-school Administration 2 hours, or Administration of Small Town and Rural High Schools, 3 hours.
Methods of High School Instruction..... 3 hours.
Educational Psychology..... 3 hours.
Principles of Education..... 3 hours.
Practice Teaching in Junior or Senior High School Subjects ..... 4 hours.

From the following:

Educational Measurements	2 hours.	
History of Modern Education	3 hours.	
Supervision of Instruction	2 hours.	
Educational Administration	3 hours.	
Fundamental Problems of Administration	3 hours	
High-school Administration 2 hours, or Administration of Small Town and Rural High Schools	3 hours.	6 hours.
Educational Research..credit by arrangement.		
Educational Sociology	3 hours.	
Psychology of Adolescence	3 hours.	
Social Psychology	2 hours.	
State and County School Administration	3 hours.	

Students should elect from this group those courses which are most closely related to the field work for which they are preparing.

For students preparing to teach in intermediate or grammar grades.

General Psychology ..... 3 hours.

Students who have had psychology in high school should take Elementary Educational Psychology.

Methods in Elementary Instruction	3 hours.
Educational Psychology	3 hours.
Principles of Education	3 hours.
Practice Teaching in Intermediate or Grammar Grade Subjects	6 hours.

From the following:

Educational Measurements	2 hours.	
History of Modern Education	3 hours.	
Supervision of Instruction	2 hours.	
Educational Administration	3 hours.	
Fundamental Problems of Administration	3 hours.	6 hours.
Educational Research..credit by arrangement.		
Educational Sociology	3 hours.	
Social Psychology	2 hours.	
State and County School Administration	3 hours.	

Students should elect from this group those courses which are most closely related to the field work for which they are preparing.

For students preparing to teach in kindergarten or primary grades.

General Psychology ..... 3 hours.

Students who have had psychology in high school should take Elementary Educational Psychology.

Methods in Elementary Instruction	3 hours.
Child Psychology	2 hours.
Principles of Education	3 hours.

Required of all students:

1. A *major* selected from the work of one department ..... 20 to 35 hours.

See page 42 for major requirements of candidates for the B. S. degree in Education who are preparing to teach in the kindergarten or primary grades.

2. A *minor* selected from the work of a department allied to the department from which the major is selected ..... 15 hours.

3. Sufficient elective credit that the full requirement for the degree of one hundred and twenty hours, exclusive of the required work in physical-training practice, may be satisfied.
4. Physical-training practice (per semester for the freshman and sophomore years)..... 1 hour.

Regulating the Election of Courses.

1. The work of the junior and senior years must include a minimum of forty hours from courses designated as senior college subjects.

2. No student having less than thirty hours of college credit shall be admitted to senior college subjects. (This shall be interpreted to mean that when a department admits freshmen to a given course it must be ranked as a junior college course.)

3. At least one-third of the hours required for a major in any department must be senior college work.

4. See practice teaching subject-matter prerequisites, introductory subjects and other professional requirements, page 130.

5. Any student of college senior rank who takes a course required in the freshman year is given but half the credit of this course.

A student may not elect for credit more than *fifteen* hours of the professional requirements for the life certificate nor more than *eight* hours after the school year 1919-'20, in addition to the professional requirement for the B. S. degree in Education. (See professional requirements for the life certificate, page 46.)

Majors.

Majors may be taken in the following departments and department groups. In case of department groups, the major may be taken in any one field of the group or combination which the student's adviser may deem wise.

I. Students should give attention as early as the sophomore year to the selection of a *major*. They are required to file with the Registrar and the head of their major department not later than the opening of the junior year their selection of a major and minor. The consent of the President is necessary to a change in the major subject.

II. A *major* shall consist of not less than twenty hours in some one of the above-designated departments or department groups. The major must include a minimum of nine hours of senior college courses.

III. A *minor* shall consist of fifteen hours selected from the work of a department allied to the major department.

IV. Not more than thirty-five hours in any one department or department group may be counted toward graduation, except:

1. In Modern Languages ten additional hours of French or Spanish may be counted.
2. In the Biological Science group, or in the Physical Science group, ten hours additional credit may be counted, provided this is prerequisite work in another field of the group.
3. In the General Pedagogy group ten additional hours may be

counted, provided it consists of work which has been required for the life certificate.

4. In the English and Public Speaking group ten hours additional credit may be counted.

V. With the exception of students majoring in kindergarten or primary work, all students are required to have a major and a minor of nonprofessional courses.

Major requirements of candidates for the B. S. in Education degree who are preparing to teach in the kindergarten.

Required:

Kindergarten Technics	2 hours.
Kindergarten and Primary Handwork	3 hours.
Kindergarten Theory	3 hours.
Primary Methods	4 hours.
Kindergarten Teaching	8 hours.
Kindergarten Program	3 hours.
Kindergarten and Primary Music Methods	2 hours.

Elective, twenty hours selected with the approval of the student's adviser, from the following:

Plays and Games	2 hours.
Drawing:	
Free-hand Drawing I or	2-6 hours.
Blackboard Drawing	
Free-hand Drawing II	
Clay Modeling	
Art Appreciation	
Children's Literature	3 hours.
Child Psychology	2 hours.
Story Telling	3 hours.
School and Personal Hygiene	3 hours.
Primary Teaching	2-4 hours.
Fundamentals of Expression	3 hours.
Music:	
Sight Singing	2-6 hours.
Advanced Music Methods	
Piano	
Music Appreciation	
Science and Nature Study:	
Field Zoölogy	2-7 hours.
Plant Life	
Chemistry of Everyday Life	
History	3 hours.
English Literature	2-4 hours.
Ethics	2 hours.
Sociology	3 hours.
Home Economics	4 hours.

Major requirements of candidates for the B. S. in Education degree who are preparing to teach in the primary grades.

Required:

Primary Methods	4 hours.
Child Psychology	2 hours.
Drawing:	
Blackboard Drawing	2 hours.
Handwork	2 hours.
Music:	
Sight Singing	2 hours.
Kindergarten and Primary Music Methods	2 hours.

Nature Study:	
Animal Life or Field Zoölogy	2 hours.
Plant Life	2 hours.
Hygiene and Sanitation, or School and Personal Hygiene	3 hours.
History in the Grades	2 hours.
Story Telling or Children's Literature	3 hours.
Kindergarten Theory	3 hours.
Advanced Methods of Primary Instruction	3 hours.
Educational Sociology	3 hours.
History of Modern Education	3 hours.
Plays and Games	2 hours.

Elective, twelve hours selected with the approval of the student's adviser, from the following:

Primary Teaching	2 hours.
Kindergarten Courses	9 hours.
Kindergarten Teaching	8 hours.
Fundamentals of Expression	3 hours.
Drawing:	
Free-hand Drawing I or	2-6 hours.
Free-hand Drawing II	
Clay Modeling	
Art Appreciation	
Music:	
Advanced Music Methods	2-6 hours.
Piano	
Music Appreciation	
American or English History	3 hours.
English:	
Shakespeare Comedies	2-4 hours.
Tennyson's Idylls of the King	
Ethics	2 hours.
Sociology	3 hours.
Geography	2 hours.
Home Economics (Art or Science)	4 hours.
Teaching of Elementary Mathematics	2 hours.

Residence Requirements for All Degrees.

I. A minimum of two semesters, or one semester and one term, in which courses taken up are completed, or three terms of residence, during which the student must earn twenty-four hours of credit, is required. These twenty-four hours must be included in the last thirty-two hours necessary for graduation.

II. Students who have made seventy-five hours in residence may be in residence only one semester or the Summer Term immediately prior to the granting of the degree.

III. In addition to satisfying the above residence requirement, students coming with advanced standing from other institutions must take in residence a minimum of four hours in their major subject and a minimum of two hours in their minor subject.

GENERAL REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN COMMERCE.

The degree of Bachelor of Science in Commerce is conferred upon persons who are graduates of accredited high schools, or other preparatory schools of like standing, and who satisfy the following requirements:

LIBRARY LECTURES, *no credit.*

Required in the freshman year.

ENGLISH.

Rhetoric and Composition, 6 hours.

Three hours rhetoric and composition must be taken in the freshman year.

All students will register for Rhetoric and Composition 1 the first or second semester of the freshman year. Those students who, within the first two weeks of the semester, convince the Faculty of the department of English that they are able to do superior work in rhetoric and composition will be tentatively excused from the first three hours and permitted to undertake the work of the second three hours. Such students who complete the second course satisfactorily will not be required to take the first course, but will be required to offer three hours elective credit.

Literature, 3 hours.

Special work: All students in the junior or senior year whose work in any department is weakened by poor English, or whose English is found to be notably defective, shall be reported at once by the instructor concerned to the head of the English department, or to a committee of which he shall be chairman. Upon examination such students shall be assigned to regular English classes without credit until they are able to pass a proficiency test in the subject. No candidate will be recommended for the degree until his English is satisfactory.

Public Speaking or Expression, 3 hours.

COMMERCIAL COURSES:

Accounting	9 hours.
Law	8 hours.
Stenography	8 hours.
Typewriting	3 hours.
Methods in Penmanship	2 hours.
Office Training	2 hours.
Commercial Arithmetic	2 hours.
Principles and Methods of Commercial Education,	2 hours.
Practice Teaching	4 hours.
General Economics	3 hours.
Economic and Industrial Geography	2 hours.

From the following, fourteen hours selected with the approval of the head of the department:

Business Organization	2 hours.
Stenography	2 hours.
Typewriting	2 hours.
Money and Banking	2 hours.
Public Finance	2 hours.
Commercial and Industrial History	3 hours.
International Law and Diplomacy	3 hours.
History of Latin America	2 hours.
Geography of North America	4 hours.
Geography of South America	4 hours.
Spanish	10 hours.
Vocational Psychology	2 hours.

MINOR:

A *minor* of fifteen hours should be selected, with the approval of the head of the Department of Commerce, from the work of another department.

ELECTIVES:

Candidates for this degree are required to submit sufficient credit from the work of other departments that the total of work to his credit may be one hundred and twenty hours, exclusive of the required work in physical-training practice.

PHYSICAL-TRAINING PRACTICE (per semester for the freshman and sophomore years), 1 hour.

RESIDENCE REQUIREMENT for the degree of Bachelor of Science in Commerce, see page 43.

GENERAL REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN MUSIC.

The degree of Bachelor of Science in Music is conferred upon persons who are graduates of accredited high schools, or other preparatory schools of like standing, and who satisfy the following requirements:

LIBRARY LECTURES, *no credit.*

Required in freshman year.

ENGLISH.

Rhetoric and Composition, 6 hours.

Three hours of rhetoric and composition must be taken in the freshman year. All students will register for Rhetoric and Composition 1 the first or second semester of the freshman year. Those students who, within the first two weeks of the semester, convince the Faculty of the department of English that they are able to do superior work in rhetoric and composition will be tentatively excused from the first three hours and permitted to undertake the work of the second three hours. Such students who complete the second course satisfactorily will not be required to take the first course, but will be required to offer three hours elective credit.

Literature, 3 hours.

Special work: All students in the junior or senior year whose work in any department is weakened by poor English, or whose English is found to be notably defective, shall be reported at once by the instructor concerned to the head of the English department, or to a committee of which he shall be chairman. Upon examination such students shall be assigned to regular English classes without credit until they are able to pass a proficiency test in the subject. No candidate will be recommended for the degree until his English is satisfactory.

Public Speaking or Expression, 3 hours.

MUSIC.

A requirement of sixty hours in music, as follows:

Solfeggio	6 hours.
Theory and History of Music	12 hours.
Applied Music	16 hours.
Elective	26 hours.

EDUCATION (including 4 hours practice teaching), 24 hours.

MINOR.

A *minor* of fifteen hours should be selected from the work of one of the following departments:

English.
Physical Training.
Art.
Public Speaking and Expression.
Modern Languages.
Latin.
Mathematics.
Commerce.

ELECTIVES.

Candidates for this degree are required to submit sufficient credit from the work of other departments that the total of work to his credit may be one hundred and twenty hours, exclusive of the required credit in physical-training practice.

PHYSICAL-TRAINING PRACTICE (per semester for the freshman and sophomore years), 1 hour.

RESIDENCE REQUIREMENT for the degree of Bachelor of Science in Music, see page 43.

REQUIREMENTS FOR THE LIFE CERTIFICATE.

The life certificate is issued to persons applying for it who are graduates of accredited high schools or other preparatory schools of like standing, and who satisfy the following requirements:

The courses, excepting the methods courses in German and Latin, are open only to freshmen and sophomores. If taken by juniors or seniors only half of the credit indicated will be allowed.

LIBRARY LECTURES, *no credit.*

Required in freshman year.

ENGLISH.

Rhetoric and Composition, 6 hours.

All students will register for Rhetoric and Composition 1 the first or second semester of the freshman year. Those students who, within the first two weeks of the semester, convince the Faculty of the department of English that they are able to do superior work in rhetoric and composition will be tentatively excused from the first three hours and permitted to undertake the work of the second three hours. *Students who complete the second course satisfactorily will not be required to take the first course, but will be required to offer three hours elective credit.*

English Literature or Public Speaking and Expression, 3 hours.

GENERAL PSYCHOLOGY, 3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

EDUCATIONAL MEASUREMENTS, 2 hours.

METHODS IN ELEMENTARY INSTRUCTION, or METHODS IN RURAL SCHOOL INSTRUCTION, 3 hours.

PRACTICE TEACHING in the Elementary Training School, or Emporia Elementary Schools, 6 hours.

See practice teaching subject-matter prerequisites, introductory subjects and other professional requirements, page 130.

ELECTIVE, 37 hours.

PHYSICAL-TRAINING PRACTICE (per semester for the freshman and sophomore years), 1 hour.

Residence Requirement for the Life Certificate.

A minimum of one semester or two terms of residence, during which the student must earn fifteen hours of credit, is required, of which twelve hours must be included in the last sixteen hours necessary for the life certificate.

SPECIAL CERTIFICATES.

Persons who intend to become applicants for the life certificate upon the completion of two years of college work should so plan their work that they may meet also the requirements for—

a. A special proficiency certificate, or

b. A special certificate to teach in the elementary school and high school.

The certificates for special proficiency are issued only in connection with the life certificate and are—

1. Kindergarten Teaching.
2. Primary Teaching.
3. Rural School Teaching.

FOR THE CERTIFICATE FOR SPECIAL PROFICIENCY IN KINDERGARTEN TEACHING AND LIFE CERTIFICATE.

Library Lectures, *no credit.*

Required in freshman year.

Rhetoric and Composition, 6 hours.

The regulation governing work in rhetoric and composition should be observed. (See page 39.)

English Literature or Public Speaking and Expresssion, 3 hours.

General Psychology, 3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

Methods in Elementary Instruction, 3 hours.

Physical-training Practice (per semester for the freshman and sophomore years), 1 hour.

Kindergarten Courses.

Required, twenty-five hours, as follows:

Kindergarten Technics	2 hours.
Kindergarten and Primary Handwork	3 hours.
Kindergarten Theory	3 hours.
Primary Methods	4 hours.
Kindergarten Teaching	8 hours.
Kindergarten Program	3 hours.
Kindergarten and Primary Music Instruction	2 hours.

Elective, twenty hours selected with the approval of the student's adviser from the following:

Plays and Games	2 hours.
Drawing:	
Kindergarten and Primary Drawing	2–6 hours.
Blackboard Drawing	
Clay Modeling	
Art Appreciation	
Children's Literature	3 hours.
Child Psychology	2 hours.
Story Telling	3 hours.
School and Personal Hygiene	2 hours.
Practice Teaching in Primary Grades	2–4 hours.
Fundamentals of Expression	3 hours.
Music:	
Sight Singing	2–6 hours.
Advanced Music Methods	
Piano	
Music Appreciation	
Science and Nature Study:	
Field Zoölogy	2–8 hours.
Plant Life	
Chemistry of Everyday Life	
History	3 hours.
English Literature	2–4 hours.
Ethics	2 hours.
Sociology	3 hours.
Home Economics	4 hours.

FOR THE CERTIFICATE FOR SPECIAL PROFICIENCY IN PRIMARY TEACHING, AND THE LIFE CERTIFICATE.

Library Lectures, *no credit.*

Required in freshman year.

Rhetoric and Composition, 6 hours.

The regulation governing work in rhetoric and composition should be observed. (See page 39.)

English Literature or Public Speaking and Public Expresssion, 3 hours.

General Psychology, 3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

Methods of Elementary Instruction, 3 hours.

Educational Measurements, 2 hours.

Physical Training Practice (per semester for the freshman and sophomore years), 1 hour.

Primary Courses.

Required, thirty hours, as follows:

Primary Methods	4 hours.
Child Psychology	2 hours.
Drawing:	
Blackboard Drawing	2 hours.
Handwork	2 hours.
Music:	
Sight Singing	2 hours.
Kindergarten and Primary Music Instruction	2 hours.
Nature Study:	
Animal Life or Field Zoölogy	2 hours.
Plant Life	2 hours.
Hygiene and Sanitation or School and Personal Hygiene	3 hours.
History in the Grades	2 hours.
Story Telling or Children's Literature	3 hours.
Practice Teaching in Primary Grades	4 hours.

(Prerequisites listed on page 130 should be noted.)

Elective, twelve hours selected with the approval of the student's adviser from the following:

Primary Teaching	2 hours.
Kindergarten Courses	9 hours.
Kindergarten Teaching	8 hours.
Plays and Games	2 hours.
Fundamentals of Expression	3 hours.
Drawing:	
Free-hand Drawing I, Free-hand Drawing II, Clay Modeling, Art Appreciation	2–6 hours.
Music:	
Advanced Music Methods, Piano, Music Appreciation	2–6 hours.
American or English History	3 hours.
English:	
Shakespeare Comedies, Tennyson's Idylls of the King	2–4 hours.
Ethics	3 hours.
Sociology	3 hours.
Geography	2 hours.
Home Economics (Art or Science)	4 hours.
Teaching of Elementary Mathematics	2 hours.

FOR THE CERTIFICATE FOR SPECIAL PROFICIENCY IN RURAL-SCHOOL TEACHING, AND THE LIFE CERTIFICATE.

Library Lectures, *no credit.*
Required in freshman year.

Rhetoric and Composition, 6 hours.
The regulation governing work in rhetoric and composition should be observed. (See page 39.)

Department of Public Speaking and Expression, 3 hours.
General Psychology, 3 hours.
Students who have had psychology in high school will take Elementary Educational Psychology.

Methods in Rural-school Instruction, 3 hours.
Rural-school Administration, 2 hours.
Practice Teaching, 6 hours.
(Prerequisites listed on page 130 should be noted.)

Physical-training practice (per semester for the freshman and sophomore years), 1 hour.

Rural-school Courses.

Teaching of Elementary Mathematics	2 hours.
Economic and Industrial Geography	3 hours.
Elementary Science	2 hours.
Rural-life Problems	3 hours.
Handwork	2 hours.
Primary Methods	4 hours.
Child Psychology	2 hours.
Agriculture	4 hours.
Farm Accounting	2 hours.

Elective, twelve hours selected with the approval of the student's adviser from the following group:

Arithmetic	4 hours.
Nature Study	2 hours.
Manual Training or Home Economics	4 hours.
Bacteriology	3 hours.
Rural-school Music	3 hours.
Hygiene and Sanitation	3 hours.
Rural Economics	2 hours.
Chemistry of Everyday Life	3 hours.
State and County School Administration	3 hours.
First Aid to the Injured	1 hour.
History, American or European	3 hours.
Story Telling	3 hours.
Public Speaking	3 hours.
Economic and Industrial Geography	3 hours.

SPECIAL ELEMENTARY SCHOOL AND HIGH-SCHOOL CERTIFICATES.

Section 8875, General Statutes of 1915, provides that:

"Each of said institutions (Kansas State Normal School, State Manual Training Normal School, and the Fort Hays Kansas Normal School) shall have power to issue certificates to teach Manual Training, Domestic Science, Agriculture, Commercial Subjects, Drawing, Music, or other occupational subjects, upon the completion of such course of study as may be prescribed by the faculty of said institutions and approved by the State Board of Administration."

In accordance with this act of the legislature, the Faculty of this institution has provided for the following special certificates to be issued

for a period of three years and renewable for a like period upon the completion of thirty additional hours of work.

These certificates may be issued in connection with the life certificate, or not, as is desired. Students seeking any special certificate should work under the direction of the head of the department.

FOR SPECIAL CERTIFICATE TO TEACH AGRICULTURE IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Library Lectures, *no credit.*
Required in freshman year.

Rhetoric and Composition ..... 6 hours.
The regulation governing work in rhetoric and composition should be observed. (See page 39.)

English Literature or Public Speaking ..... 3 hours.
Chemistry ..... 5 hours.
Biology ..... 2 hours.
Farm Carpentry ..... 4 hours.
Physical Training Practice (each semester, for the freshman and sophomore years), 1 hour.

EDUCATION:

General Psychology ..... 3 hours.
Students who have had psychology in high school will take Elementary Educational Psychology.

Methods in Elementary Instruction or Methods in Rural-school Instruction ..... 2 hours.
Educational Measurements ..... 2 hours.
Methods in Agriculture ..... 2 hours.
Agronomy ..... 4 hours.
Animal Husbandry ..... 4 hours.
Farm Management ..... 4 hours.
Horticulture and Forestry ..... 4 hours.
School Gardening and Landscape Art ..... 2 hours.
Soils ..... 2 hours.
Feeds and Feeding ..... 2 hours.
Dairying ..... 2 hours.
Practice Teaching ..... 6 hours.

FOR SPECIAL CERTIFICATE TO TEACH COMMERCE IN THE ELEMENTARY SCHOOL AND IN HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Library Lectures, *no credit.*
Required in freshman year.

Rhetoric and Composition ..... 6 hours.
The general regulation governing work in rhetoric and composition should be observed. (See page 39.)

English Literature or Public Speaking..... 3 hours.
General Economics ..... 3 hours.
Economic and Industrial Geography ..... 3 hours.
Physical Training Practice (each semester).... 1 hour.

EDUCATION:

General Psychology ..... 3 hours.
Students who have had psychology in high school will take Elementary Educational Psychology.

Methods in Elementary Instruction or Methods in Rural School Instruction ..... 3 hours.
Educational Measurements ..... 2 hours.

COMMERCE:

Accounting	6 or 8 hours.
Business Law	3 hours.
Shorthand	8 or 10 hours.
Typewriting	3 hours.
Office Training	2 hours.
Commercial Arithmetic	2 hours.
Principles and Methods in Commercial Education,	2 hours.
Penmanship	2 hours.
Practice Teaching	6 hours.
Elective	1 hour.

FOR SPECIAL CERTIFICATE TO TEACH DRAWING IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Library Lectures, *no credit.*

Required in the freshman year.

Rhetoric and Composition ..... 6 hours.

The general regulation governing work in rhetoric and composition should be observed. (See page 39.)

Fundamentals of Expression	3 hours.
Sewing and Textiles	4 hours.
History of Greece	3 hours.
European History during the Middle Ages	3 hours.
Physical-training Practice (each semester)	1 hour.

EDUCATION:

General Psychology ..... 3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

Methods in Elementary Instruction or Methods in Rural-school Instruction	3 hours.
Educational Measurements	2 hours.

DRAWING:

Free-hand Drawing I	4 hours.
Free-hand Drawing II	3 hours.
Drawing and Handwork I	2 hours.
Design	2 hours.
Blackboard Drawing	2 hours.
History of Art	2 hours.
Practice Teaching	6 hours.

Elective, twelve hours, from the following:

Applied Arts	3 hours.
Advanced Study of Dark and Light	4 hours.
Advanced Study of Color	4 hours.
Clay Modeling	2 hours.
Basketry I	2 hours.
Basketry II	1 hour.
Drawing and Handwork II	2 hours.

FOR SPECIAL CERTIFICATE TO TEACH HOME ECONOMICS IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Library Lectures, *no credit.*

Required in freshman year.

Rhetoric and Composition ..... 6 hours.

The general regulation governing work in rhetoric and composition should be observed. (See page 39.)

English Literature or Fundamentals of Expression ..... 3 hours.
General Chemistry ..... 5 hours.
Free-hand Drawing I ..... 4 hours.
Free-hand Drawing II ..... 3 hours.
Physiology of Alimentation and Dietetics ..... 2 hours.
Household Bacteriology ..... 3 hours.
Physical-training Practice (each semester) ..... 1 hour.
Elective ..... 1 hour.

EDUCATION:

General Psychology ..... 3 hours.
Students who have had psychology in high school will take Elementary Educational Psychology.

Practice Teaching ..... 2 hours.
Methods in Elementary Instruction or Methods in Rural-school Instruction ..... 3 hours.
Educational Measurements ..... 2 hours.

HOME ECONOMICS:

Foods I ..... 4 hours.
Foods II ..... 4 hours.
Sewing and Textiles ..... 5 hours.
Drafting ..... 4 hours.
Applied Costume Design ..... 4 hours.
House Sanitation and Construction ..... 2 hours.
Practice Teaching ..... 4 hours.

FOR SPECIAL CERTIFICATE TO TEACH MANUAL TRAINING IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Library Lectures, *no credit.*
Required in the freshman year.

Rhetoric and Composition ..... 6 hours.
The general regulation governing work in rhetoric and composition should be observed. (See page 39.)

English Literature or Fundamentals of Expression ..... 3 hours.
Free-hand Drawing ..... 4 hours.
Physical-training Practice (each semester) ..... 1 hour.

EDUCATION:

General Psychology ..... 3 hours.
Students who have had psychology in high school will take Elementary Educational Psychology.

Methods in Elementary Instruction or Methods in Rural-school Instruction ..... 3 hours.
Educational Measurements ..... 2 hours.
Practice Teaching ..... 2 hours.

MANUAL TRAINING:

Mechanical Drawing ..... 4 hours.
Woodworking ..... 4 hours.
Farm Carpentry ..... 4 hours.
Mathematics (Shop Problems) ..... 3 hours.
Joinery and Cabinetmaking ..... 4 hours.
Furniture Construction ..... 4 hours.
Wood Turning ..... 4 hours.
Theory and Practice ..... 2 hours.
Practice Teaching ..... 4 hours.
Elective ..... 2 hours.

FOR SPECIAL CERTIFICATE TO TEACH MUSIC IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Library Lectures, *no credit.*
Required in the freshman year.

Rhetoric and Composition ..... 6 hours.
The general regulation governing work in rhetoric and composition should be observed. (See page 39.)

EDUCATION:

Public Speaking or English Literature..... 3 hours.
General Psychology ..... 3 hours.
Students who have had psychology in high school will take Elementary Educational Psychology.

Methods in Elementary Instruction or Methods in Rural-school Instruction ..... 3 hours.
Educational Measurements ..... 2 hours.
Kindergarten and Primary Music Instruction.... 2 hours.
Grades and Junior High-school Music Instruction, 2 hours.
Elective ..... 8 hours.
Practice Teaching ..... 2 hours.
Physical-training Practice (per semester)..... 1 hour.

MUSIC:

Sight Singing and Solfeggio..... 4 hours.

Harmony, Theory and History:
Elementary Harmony I and Ear Training..... 2 hours.
Harmony II..... 2 hours.
Intermediate Harmony ..... 2 hours.
History and Appreciation I..... 2 hours.
History and Apreciation II..... 2 hours.
Ensemble Practice ..... 2 hours.
Community Music and Conducting I..... 1 hour.

Applied Music:
Voice—Intermediate and Certificate Years..... 4 hours.
Piano—Intermediate and Certificate Years one; semester Accompanying ..... 4 hours.

Practice Teaching ..... 4 hours.

Sight singing and study in voice or piano are desirable prerequisites in the case of students who aim to secure this certificate in two years. For students who wish to supervise music in the grades one year's successful teaching experience is essential.

FOR SPECIAL CERTIFICATE TO TEACH PHYSICAL TRAINING IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

(For work in men's department.)

ACADEMIC:

Library Lectures, *no credit.*
Rhetoric and Composition ..... 6 hours.
The general regulation governing the work in rhetoric and composition should be observed. (See page 39.)

English Literature or Public Speaking..... 3 hours.
Histology ..... 2 hours.
General Sociology ..... 3 hours.
Social Psychology ..... 2 hours.
First Aid to the Injured..... 1 hour.
Child Psychology ..... 2 hours.

EDUCATION:

General Psychology	3 hours.

Students who have had psychology in high school should take Educational Psychology.

Methods in Elementary Instruction or Methods in Rural-school Instruction	3 hours.
Educational Measurements	2 hours.
Practice Teaching	2 hours.

PHYSICAL TRAINING:

Anatomy	5 hours.
Advanced Physiology	3 hours.
Playground Supervision	3 hours.
History of Physical Education	2 hours.
Theory of Coaching	3 hours.
Applied Anatomy	2 hours.
Anthropometry	1 hour.
General Technique (Methods in Physical Training)	2 hours.
Advanced Technique	3 hours.
Physiology of Exercise	3 hours.
Physical-training Practice (each semester)	1 hour.
Practice Teaching	4 hours.

FOR SPECIAL CERTIFICATE TO TEACH PHYSICAL TRAINING IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

(For work in women's department.)

ACADEMIC:

Library Lectures, *no credit.*

Required in the freshman year.

Rhetoric and Composition	6 hours.

The general regulation governing the work in rhetoric and composition should be observed. (See page 39.)

Story Telling	3 hours.
Fundamentals of Expression	3 hours.
Physiology	3 hours.
Plays and Games	2 hours.
Handwork	2 hours.
First Aid	1 hour.
Hygiene and Sanitation	3 hours.

EDUCATION:

General Psychology	3 hours.

Students who have had psychology in high school will take Educational Psychology.

Methods in Elementary Instruction or Methods in Rural School Instruction	3 hours.
Educational Measurements	2 hours.
Child Psychology	2 hours.
Practice Teaching	2 hours.

PHYSICAL TRAINING:

History of Physical Education	2 hours.
Playground Supervision and Instruction	3 hours.
Anatomy	5 hours.
Applied Anatomy	2 hours.
Kenesiology	3 hours.
Management of Girls' Athletics	1 hour.
Practice Teaching	4 hours.
Physical-training Practice (each semester)	1 hour.
Methods in Physical Training	2 hours.

A SPECIAL CERTIFICATE WITHOUT THE LIFE CERTIFICATE.

Residence requirement, one semester or two summer terms.

LIBRARY LECTURES, *no credit.*

RHETORIC AND COMPOSITION ..... 6 hours.

The general regulation governing the work in rhetoric and composition should be observed. (See page 39.)

EDUCATION:

General Psychology ..... 3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

Methods in Elementary Instruction or Rural-school Instruction ..... 3 hours.

Elective ..... 6 hours.

OCCUPATIONAL (for example, Agriculture) ..... 24 to 28 hours.

PRACTICE TEACHING in occupational subject ..... 6 hours.

ELECTIVE, under direction of head of department in which special certificate is desired ..... 8 to 18 hours.

Total ..... 60 hours.

PHYSICAL TRAINING PRACTICE each semester ..... 1 hour.

TWO SPECIAL CERTIFICATES WITHOUT THE LIFE CERTIFICATE.

Two special certificates without the life certificate may be obtained in five semesters, or four semesters and two summer terms.

Residence requirement, one semester or two summer terms.

LIBRARY LECTURES, *no credit.*

RHETORIC AND COMPOSITION ..... 6 hours.

The regulation governing work in rhetoric and composition should be observed. (See page 39.)

EDUCATION:

General Psychology ..... 3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

OCCUPATIONAL, for first certificate (for example, Agriculture) ..... 28 hours.

OCCUPATIONAL for second certificate (for example, Manual Training) ..... 24 to 28 hours.

PRACTICE TEACHING for each certificate 3 hours ..... 6 hours.

ELECTIVE ..... 1 to 9 hours.

Total ..... 75 hours.

PHYSICAL TRAINING PRACTICE, each semester ..... 1 hour.

Two special certificates and the life certificate may be obtained in five semesters, or four semesters and two summer terms. Residence requirement of one semester or two summer terms. The requirements are as follows:

LIBRARY LECTURES, *no credit.*

RHETORIC AND COMPOSITION ..... 6 hours.

The regulation governing work in rhetoric and composition should be observed. (See page 39.)

ENGLISH LITERATURE or PUBLIC SPEAKING ..... 3 hours.

EDUCATION:

General Psychology ..... 3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

Methods in Elementary Instruction or Rural-school Instruction	3 hours.
Educational Measurements	2 hours.
OCCUPATIONAL for first certificate	24 hours.
OCCUPATIONAL for second certificate	24 hours.
PRACTICE TEACHING for each certificate, 3 hours	6 hours.
ELECTIVE	4 hours.
Total	75 hours.
PHYSICAL TRAINING PRACTICE, each semester	1 hour.

THREE-YEAR STATE CERTIFICATE.

This certificate is given to persons—

1. Who are at the time of entrance graduates of accredited high schools.
2. Who submit college credit of thirty semester hours, as outlined below, in addition to one hour credit in physical-training practice for each semester spent in residence.
3. Who have been in residence one semester.
4. Who earn fifteen hours credit in addition to required credit in physical-training practice.

Hgh-school exemptions are allowed in these requirements, excepting in English, methods of instruction, and physical training. Persons claiming exemption from any requirement should submit not less than one-half year's high-school work in the subject where exemption is desired.

Arithmetic credit submitted should be for work following the completion of algebra and geometry.

The requirements are as follows:

Library Lectures, *no credit.*
Required in the first semester.

Rhetoric and Composition I		3 hours.
General Psychology		3 hours.
Students who have had psychology in high school will take Elementary Educational Psychology.		
Methods in Elementary Instruction or Methods in Rural-school Instruction		3 hours.
Advanced Arithmetic		4 hours.
Geography		3 hours.
American History or Government		3 hours.
Physiology		3 hours.
Music	4 hours.	
Drawing	4 hours.	
Home Economics	4 hours.	
Manual Training	4 hours.	4 hours.
Commerce:		
Penmanship	2 hours.	
Bookkeeping	3 hours.	
The full requirement of four hours should be satisfied in one department.		
Elective		4 hours.
Physical-training Practice (each semester)		1 hour.

ONE-YEAR STATE CERTIFICATE.

This certificate is given to persons—

1. Of high-school rank who submit sixteen units of credit.
2. Of college rank who submit fifteen hours of credit in courses in which high-school work does not meet the requirement, in addition to one hour of physical-training practice.
3. Who have been in residence one semester and who have carried full work which must include library lectures.

An outline of the requirements that should be referred to may be found on page 136.

A special regulation provides that this certificate may be given for the work of one Summer Term to persons—

1. Who are at the time of entrance graduates of an accredited high school.
2. Who do *residence* work giving eight and one-half hours of credit.

APPLICATIONS.

Formal application must be made at the Registrar's office for any certificate or diploma desired.

COLLEGE COURSES.

For purposes of classification of College courses the four years' work is divided into Junior College and Senior College. The work of the Freshman and Sophomore years makes up the Junior College; that of the Junior and Senior years, the Senior College.

No student having less than thirty hours credit may be admitted to Senior College courses. This will be construed to mean that when any department head admits freshmen to Senior College courses, these courses are reduced to the rank of Junior College courses.

Courses of Senior College grade are open to students in the Junior College if these courses are required for a special certificate.

Courses of Junior College grade listed in this catalogue bear numbers from 1 to 49, inclusive; courses of Senior College grade bear numbers from 50 to 99, inclusive.

No Junior College course will be offered unless registered for by twelve students; no Senior College course unless registered for by seven students.

No student having less than thirty hours of college credit in Senior College courses may be admitted to a Senior College course. (This shall be interpreted to mean that when a department admits freshmen to a given course of Senior College rank this course must be ranked as a Junior College course.)

All candidates for a diploma conferring a degree must submit forty hours of Senior College credit.

At least one-third of the credit required for a major in any department shall be of Senior College grade.

Agriculture.

Professor PHIPPS.
————, Instructor.

A special certificate to teach Agriculture in the elementary school and high school is issued. For requirements see page 50.

But half of the four courses is given in the Summer Term.

1.—AGRONOMY. *Four hours credit.*

Summer Term, and Each Semester.

This is a general course in the study of field crops; grain judging; crop improvement; crop rotations, crop and soil management; marketing and storage of grains; uses of grains, etc. This course forms the basis of the teaching of elementary agriculture.

2.—ANIMAL HUSBANDRY. *Four hours credit.*

Summer Term, and Each Semester.

This is a general course in the study of farm animals. It covers the types and breeds of farm animals; feeding; care and manage-

ment of herds; livestock improvement; judging of common breeds; inspection trip to near-by barns; common diseases: their prevention and control. This course forms the basis of the teaching of high-school animal husbandry work.

3.—DAIRYING. *Two hours credit.*

Summer Term, and First Semester.

This is a general course in dairying, and covers the field that should be developed in teaching high-school dairying. It includes a study of the breeds of dairy cattle; judging, care and management of dairy herds; the production of clean milk and cream; the by-products of milk; state and United States dairy laws, etc. A large part of the time is spent in laboratory work with dairy products, dairy machinery, and dairy inspection.

4.—FEEDS AND FEEDING. *Two hours credit.*

Second Semester.

Prerequisite, Animal Husbandry. This course includes a study of plant growth and animal nutrition; feeding standards and rations; feeding stuffs; manurial values of feeding stuffs; principles of feeding farm animals; and general problems in animal production.

5.—HORTICULTURE AND FORESTRY. *Four hours credit.*

Each semester.

This course includes a study of large and small fruits; vegetables; care and management of orchards; sprays and spraying; pruning; diseases, their prevention and control, etc. A brief study of forestry, farm woodlots; building materials, posts, etc; and the preservation of wooden building materials.

6.—SCHOOL AND HOME GARDENING. *One hour credit.*

Summer Term, and Each Semester.

A general course in school and home gardening. City gardening and garden clubs are studied. Students are assigned gardens in the city of Emporia to supervise, and practical experience is gained in this way. Laboratory work is done with the model gardens and campus, under direction of Mr. Phipps.

7.—RURAL-SCHOOL AGRICULTURE. *Two hours credit.*

Summer Term, and second half of Second Semester.

This course is designed for rural-school teachers. It covers the whole field of rural-schoool agriculture, school and home projects in agriculture, and school extension work in agriculture. All rural-school teachers desiring a general course in agriculture should choose this one.

50.—SOILS. *Two hours credit.*

Summer Term, and Second Semester.

A general course in soils, their properties and management. It includes a study of soil types and their improvement. A large part of the time is spent in laboratory work in exercises and experiments with soils.

52.—FARM MANAGEMENT. Four hours credit.

On demand.

Prerequisite, major work in agriculture. This course includes a study of types of farming; kinds of farming; crop and livestock problems in farming; managerial problems in farming; farm capital; farm labor; systems of farm rental; farm equipment; farm layout; problems in marketing; farm accounting; choice of a farm region, and choice of the farm. An advanced course for major students.

53.—LANDSCAPING. *One hour credit.*

On demand.

Prerequisite, School and Home Gardening. This course includes a study of the arrangement of trees, shrubs, flowers, etc., on school, home, and public grounds, and the combinations of plants for best landscape effect. Designing school and home grounds and landscape plans form the principal lines of work in this course. For students majoring in agriculture.

Art.

Professor GRIDLEY.
Mrs. ECKDALL, Instructor.
Miss MORRISON, Instructor.
————, Instructor.

A special certificate to teach drawing in the elementary school and high school is isued for work in this department. For requirements for the certificate, see page 51.

1.—FREE-HAND DRAWING I. *Four hours credit.*

Summer Term, and Each Semester.

Free-hand outline drawing with pencil, charcoal and crayon; principles of perspective; elementary composition, including decorative rendering in outline, flowers, landscape and still life.

2.—KINDERGARTEN AND PRIMARY DRAWING. *Two hours credit.*

A course in free-hand drawing for candidates for special proficiency certificates in kindergarten and primary teaching.

3.—FREE-HAND DRAWING II. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, Free-hand Drawing I. Free-hand mass drawing in charcoal and water color. An elementary study of dark and light values. Color schemes developed and original compositions in landscape, still life and nature forms made with the brush in water and *tempera*. Simple water-color drawings made from nature.

5.—ADVANCED STUDY OF DARK AND LIGHT VALUES. *Four hours credit.*

Summer Term, and Second Semester.

Prerequisites, Free-hand Drawing I and II. Advanced problems in composition rendered with charcoal and brush in dark and light. Still life, landscape, and nature forms.

6.—ADVANCED STUDY OF COLOR VALUES AND HARMONIES. *Four hours credit.*

Summer Term, and Second Semester.

Prerequisites, Free-hand Drawing I and II. Advanced problems in color harmonies and composition rendered in water color. Still life, landscape, flowers, etc.

7.—ELEMENTARY FREE-HAND AND CONSTRUCTION DRAWING. *Three hours credit.*

Summer Term, and First Semester.

Free-hand drawing with the pencil; the principles of perspective applied to drawing interiors; working drawings. This course is especially planned for students taking courses in Household Art.

11.—HANDWORK I. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, Kindergarten and Primary Drawing. Elementary water color and design; weaving, modeling, paper cutting and other practical handwork for use in the lower grades and the rural schools.

12.—Handwork II. *Two hours credit.*

Summer Term, and First Semester.

Prerequisite, course 1 or 2. Handwork adapted to children above the fifth grade.

13.—Blackboard Drawing. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, Free-hand Drawing I or its equivalent. Practice in blackboard drawing, using chalk and charcoal. The purpose of the course is to give facility with the chalk for general illustrative purposes in the classroom.

14.—Clay Modeling. *Two hours credit.*

Summer Term, and Each Semester.

Elementary modeling of clay suitable for the lower grades, also more advanced work for high schools.

16.—Basketry I. *Two hours credit.*

Summer Term, and Each Semester.

Instruction in weaving raffia mats, baskets, trays, etc.

17.—Basketry II. *One hour credit.*

Summer Term, and Each Semester.

Instruction in reed weaving.

18.—Commercial Design I. *One hour credit.*

Summer Term, and Each Semester.

Prerequisites, Free-hand Drawing I or course 7, and Free-hand drawing II or course 6. Instruction and practice in decorative lettering and poster design.

19.—Commercial Design II. *One hour credit.*

Summer Term, and Each Semester.

Prerequisites, Commercial Design I. A continuation of Commercial Design I.

20.—Picture Study in the Grades. *Two hours credit.*

Summer Term, and Each Semester.

Methods of teaching children to become acquainted with and interested in good pictures.

51.—Design. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, Drawing I or Free-hand and Constructive Drawing. Principles of design, problems involving the principles of rythm, balance and harmony, original designs for stenciling, wood carving, etc.

52.—Applied Arts. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, courses 1 and 6 or the equivalent. Instruction and practice in applying designs to the processes of silversmithing, coppersmithing, leather tooling, etc.

55.—Interior Decoration. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisite, Design I or Design II. Fundamental principles regarding the interior arrangement of the home and its decoration. The study of furniture, and choice of it for the home. The study of color in its relation to walls, pictures, draperies, and floor coverings. Elevations of walls, showing spacings, color schemes, draperies, placing of furniture, etc., are designed and drawn in color by the students.

56.—History of Art I. *Two hours credit.*
Second Semester.
A brief survey of the history of architecture.

57.—History of Art II. *Four hours credit.*
Second Semester.
A study of the history of modern painting.

58.—History of Art III. *Two hours credit.*
First Semester.
A brief study of American art.

60.—Seminar Course I. *One hour credit.*
Current literature concerning present-day art and artists.

61.—Seminar Course II. *One hour credit.*
A survey of the history and trend of art education in the public schools.

62.—Art Appreciation. *Three hours credit.*
Summer Term, and Second Semester.
A study of the world's great masterpieces of art with reference to recognized principles of art as applied to architecture, sculpture and painting.

Manual Art.

Professor Braucher.
Mr. ————, Instructor.

The courses in Manual Training are outlined with the purpose of giving all teachers who can avail themselves of the opportunity a thorough general knowledge of the subject as used in our public schools as a means of general education. The courses are elective and open to all students who may wish to prepare for teaching handwork in schools. For the purposes of superintendents and principals, and candidates for the Certificate of Special Proficiency in Rural-school Teaching, the general courses may be modified to meet the particular needs of the individuals electing them. Students majoring in agriculture, physics, or mathematics may also have the general courses modified to meet their particular needs. The rapid reorganization of thought and practice in connection with trade and vocational education is making a great change in the requirements of persons contemplating teaching in courses in Manual Arts, adding particularly a considerable amount of shop or trade experience. Students preparing for positions under the Smith-Hughes act relating to state and federal aid will find it greatly to their advantage to have had one or more years of actual experience in the trade or industry which he seeks to teach. After September 1, 1918, therefore, students enrolling in the courses in this department will be expected to have had or to secure during or after the period of instruction an increasing amount of actual trade or shop experience, up to a maximum of three years, after September 1, 1920. Those preparing for the certificate without this experience will find opportunities for future employment greatly reduced by such lack of experience. The courses in drawing and woodwork are arranged in their order of

sequence, and should be taken in their regular order unless special reasons show a need for changing it.

A special certificate to teach Manual Training in the elementary school and in high school is issued. For requirement for this certificate. see page 52.

But half of the four-hour courses is given in the Summer Term.

1.—MECHANICAL DRAWING. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisitte, Plane Geometry. A course in the elements of mechanical drawing, beginning with the geometrical constructions and dealing with orthographic, isometric and cabinet projections, surface developments, intersections, shadows, etc. Working drawings are required to give training in the application of mechanical drawing to accurate expresssion in the industries. An effort is made to get practical results, while at the same time giving as much of the theoretical principles as the time will permit. Supplies, $2.50 per semester. (Braucher.)

2.—WOODWORKING. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 1. A course in elementary woodworking for mature students who have some ability and training in the use of woodworking tools, but have not applied this skill to preparation for manual training. The work at the bench will include exercises in designing and making problems suited to manual training for children in the grades, to give a knowledge of work suitable for the beginner. Deposit for supplies, $2 to $5.

2*a*.—RURAL-SCHOOL WOODWORKING. *Two hours credit.*

The course in woodworking is adapted to the needs of rural-school teachers.

4.—FARM CARPENTRY. *Four hours credit.*

Summer Term, and Each Semester.

A course in the elementary principles and practices in building construction, involving framing, bracing, strength and combination of materials to withstand strains and carry loads. Careful study of the principles and uses of the steel square, with exercises in typical application, in laying out rafters, braces, etc. (Braucher.)

5.—SHOP MATHEMATICS. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, High-school Mathematics. A course in the application of arithmetic and higher mathematics to shop and other construction problems. (Braucher.)

9.—JOINERY AND CABINETMAKING. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisites, courses 1 and 2. A course in advanced woodworking, dealing with more extensive problems in wood construction in which a large use is made of joints and panels. Problems requiring student initiative and adaptation will be assigned, involving practical applications of constructive design and the selection of appropriate principles of construction. Deposit for supplies, $3 to $6.

0.—WOOD TURNING. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisite, sixteen hours Manual Training. A course in wood turning, beginning with elementary exercises in spindle turning,

with applications. Some problems in face-plate and chuck work will be given, together with as wide application of the work to practical construction as time will permit. Deposit for supplies, $2 to $5. (Braucher.)

11.—Furniture Construction. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisites, Mechanical Drawing, Woodworking, and Joinery and Cabinetmaking. The study of periods and styles of furniture, with the application of design to furniture construction. Several typical pieces are designed, and one or more made in the shop. Students pay for material used. (Braucher.)

50.—Theory and Practice. Two hours credit.

Summer Term, and Second Semester.

Prerequisite, sixteen hours Manual Training. A methods course, required of students expecting to qualify for Manual Training Certificate, and offered to advanced students of education, without the prerequisites, who wish to learn something of the content of manual training for administrative purposes. No tool work is offered in this course, but the time will be given to reading, reports, and discussions of the theory and practice of manual training in education. Courses of study, textbooks, equipments, supplies, etc., are studied.

Biology and Geology.

Professor Wooster.
Associate Professor Agrelius.

The Science of Organisms—Zoölogy.

1.—Animal Ecology. *Five hours credit.*

Each Semester.

Classes meet in laboratory and recitation daily. This course includes the work given in Field Zoölogy and Animal Life on birds and insects and elementary study of animal development, and method of survival in the struggle for existence. It is especially intended for those who have taken an equivalent course in zoölogy

1*a*.—Field Zoölogy. Two hours credit.

Summer Term.

Classes meet in laboratory and recitation daily. This course is intended for those who have taken an equivalent course in zoölogy in the high school, and desire to gain a knowledge of insects and birds for use in nature study, agriculture and other natural history work.

Methods of teaching science in the grades are given with this course. The course may be taken also during the first half of the first semester and during the second half of the second semester as a part of Animal Ecology.

1*b*.—Animal Life. *Three hours credit.*

Second half of First Semester and first half of Second Semester.

This course is given as a part of the course in animal ecology, and may be used as a methods course for teaching science in the grades or in high schools. It is an ideal course for the study of the philosophy of life and of living.

4.—Economic Biology. *Five hours credit.*

Each Semester.

Classes meet in laboratory and recitation daily. This course includes the work given in Vocational Botany and Systematic Zoölogy, and embraces a study of the structure and functions of representative animals and plants and of their relationship to the home, shop, garden and farm. This course also gives a study of the embryology, development and evolution of plants and animals.

4*a*.—Vocational Botany. *Two hours credit.*

Summer Term.

Classes meet in recitation and laboratory work daily. In this course plants are studied in their home, shop, garden and farm relations with a minimum of pure botany. Nearly fifty experiments are performed by members of the class to show soil relations of plants, their methods of food making and their specific usefulness to man. This course may be taken also during the first half of the first semester and the second half of the second semester as part of Economic Biology.

4*b*.—Systematic Zoölogy. *Three hours credit.*

Second half of First Semester and first half of Second Semester.

This course is regularly given as a part of the course in economic biology, and gives a brief but fairly satisfactory study of the development or evolution of animal life. It also emphasizes the importance of a knowledge of the various pathogenic form of animals, especially those which seriously endanger human health and that of the domestic animals.

Environmental Science—Geology.

50.—Geology of the United States. *Five hours credit.*

Each Semester.

Prerequisite, course 1 or 4.

Some knowledge of zoölogy is desirable as a preparation for the second half of this subject. Geology comprises a study of the dynamical, structural and historical geology of our country, and includes laboratory and field work. It is a very necessary preparation for the teaching of physical geography and for the full understanding and enjoyment of all natural scenery.

7.—Geology of Kansas. *Two hours credit.*

Summer Term.

Daily, laboratory and recitation. This brief course in Kansas geology comprises studies in soil, climate, forest, and the subjacent rock formations with their included forms of extinct life; and the geological work of wind, rain, air, moisture and running water, all with especial reference to understanding the physical features of our state.

The Scientific Method—School Science.

8.—Nature Study. *Two hours credit.*

Summer Term.

The course in nature study treats of the methods of teaching natural history in the grades, and will be illustrated with numerous nature-study lessons.

51.—General Science Course. *Three hours credit.*

Each Semester.

This course is intended to give a general preparation for teaching general science in the junior high school. It includes methods of teaching the biological sciences in the high schools, as well as full discussions of science teaching in general and lessons on the subject matter.

BOTANY.

Associate Professor Agrelius.

9.—Developmental Botany. *Five hours credit.*

Summer Term, and Each Semester.

This course includes the following divisions, which may be taken either one without the other, but preferably as a whole. Deposit, seventy-five cents.

9*a*.—Developmental Botany of Spore Plants. *Two hours credit.*

Summer Term, First Semester, and first half of Second Semester.

This course includes a systematic study of the lower plants from the simplest upward, ending with the appearance of seeds. Special emphasis is placed on the forms of particular importance, such as the bacteria and the other fungi. It should be accompanied by course 9*b*.

9*b*.—Developmental Botany of Seed Plants. *Three hours credit.*

Summer Term, first half of First Semester, and second half of Second Semester.

This includes the study of the seed plants. It begins with the seed and its germination and follows the developing plant through its various stages, including maturity. Special attempt is made to give the course cultural and economic value. It supplements the previous course, but is a unit by itself.

10.—Plant Anatomy. *Four hours credit.*

First Semester.

Prerequisite, course 9 or its equivalent. Includes a study of the tissues of plants in relation to their function. A set of microscope slides is prepared. These are of much use in presenting the subject of botany in high schools. Deposit, $1.

11.—Plant Nature Study. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, High-school Botany, or its equivalent. The phases of plant life which may be profitably presented in the grades are determined. The modes of presenting such work, and the literature useful in teaching the subject, are studied.

52.—Plant Physiology. *Three hours credit.*

Second Semester.

Prerequisite, course 9 or its equivalent. This course embraces a study of the vital processes of plants—absorption, excretion, circulation, respiration—and is intended as a preparation for this phase of botany teaching in the high school. It deals with practical phenomena. Deposit, $1.

53.—Systematic Botany. *Two hours credit.*

Summer Term, and First Semester.

Prerequisite, course 9. The classification of plants, especially those of the local flora; the preparation of an herbarium. Intended to acquaint teachers and others with the common and scientific names of the more familiar plants, and to enable them to identify

those less familiar; to assist teachers, especially of rural communities, in arousing an interest in their pupils for their local environment. Especially helpful to teachers of nature study. Deposit, $1.

BACTERIOLOGY.

Associate Professor AGRELIUS.

A maximum credit of six hours may be allowed any student for graduation.

12.—GENERAL BACTERIOLOGY. *Three hours credit.*

Summer Term, and First Semester.

This is a general course in bacteriology. It includes the preparation and use of ordinary and special media and stains, and other bacteriological technique, and a study of the distribution, dissemination, classification and identification of bacteria. Special attention is given to those forms causing disease in man and other animals, and to immunity from these organisms; to water supplies; the disposal of sewage; and to individual and community hygiene. Deposit, $2.

13.—AGRICULTURAL BACTERIOLOGY. *Three hours credit.*

Second Semester.

This consists chiefly of laboratory work, and includes methods of growing and staining bacteria; a study of the kinds of special interest to the farmer because of their relation to soil formation and fertility, to disease in livestock, and dairy and other farm products. Deposit, $2.

14.—HOUSEHOLD BACTERIOLOGY. *Three hours credit.*

Second Semester.

This treats of the preparation of media for growing bacteria and molds; of the staining of these organisms; of their forms and functions; and of their relation to the home. It includes the preservation of fruit; the effect of bacteria on milk, butter and other foods; the location of wells and the care of the same; the disposal of wastes; and the lighting and furnishing of the home as affecting the health of its occupants. Deposit, $2.

Chemistry.

Professor MAYBERRY.

The Chemistry Department occupies commodious quarters in Norton Science Hall. In addition to a large lecture room with a demonstration table there are two well-lighted laboratories, a weighing room, a storeroom and an office. Recently much valuable apparatus has been installed and such supplies purchased as will permit of the very highest grade of work in all lines of analytical chemistry. The object of the department is to give students a clear insight into this very important science and at the same time train teachers for successful instruction in our best high schools and academies. A fee is charged in each course to cover the actual cost of chemicals and breakages.

1.—GENERAL CHEMISTRY. *Five hours credit.*

Summer Term, and Each Semester.

This is a course in inorganic chemistry. It includes a study of the fundamental principles and laws of the science, with a detailed study of both nonmetallic and metallic elements. Much practice in

writing reactions and solving chemical problems is given. General experiments and demonstrations accompanying the daily recitations, and a minimum of four hours a week laboratory work is required.

2.—INORGANIC CHEMISTRY. *Five hours credit.*

Each Semester.

Prerequisite, Chemistry I. The work covered is practically the same, but of more advanced nature, intended for those who wish to teach chemistry or desire a more extended knowledge of the subject.

3.—QUALITATIVE ANALYSIS. *Five hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 1 and, if possible, course 2. This course covers the detection of metallic and nonmetallic ions and the analysis of salts and ores. It is almost wholly a laboratory course. A minimum of eight hours laboratory work and one hour recitation each week is required.

4.—ORGANIC CHEMISTRY. *Three hours credit.*

Each Semester.

Prerequisite, course 3. The aim in this course is to give a comprehensive view of the various classes of hydrocarbons and their derivatives through the study of some selected types.

5.—ORGANIC ANALYSIS. *Three hours credit.*

Each Semester.

Prerequisite, course 4. There are two divisions in this course. Many experiments of a general nature are included in both divisions.

(*a*) General analysis—a course designed for students in agriculture and those interested in the analysis and tests of foods.

(*b*) Food analysis—a course designed for students in home economics and those interested in the analysis and tests of food.

6.—CHEMISTRY OF EVERYDAY LIFE. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 1. This is a practical course designed to make clear the chemical phenomena of everyday life. Simple tests are applied to water, air, milk and other foods to determine their purity. A careful study is made of the use of soaps and the removal of stains.

7.—CHEMISTRY OF TEXTILES. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 1. The simple analysis of forty-five to fifty samples of textile fabrics to determine the quantities of cotton, wool, silk or linen. Attention is given to the distinction between tone and artificial silks and to the weighing of fabrics.

50.—QUANTITATIVE ANALYSIS. *Five hours credit.*

Summer Term, and Second Semester.

Prerequisite, course 3. This course includes both gravimetric and volumetric methods of quantitative analysis. It is a laboratory course, requiring a minimum of eight hours laboratory work and one hour recitation each week.

51.—AGRICULTURAL CHEMISTRY. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, course 3. The application of chemistry to the study of soils, soil analysis, plant nutrition, and soil fertilization. The general relation of chemistry to various farming operations will be studied.

52.—Special Analysis. *Three hours credit.*

Prerequisite, course 50. A course intended for students desiring to work out problems in rock, soil, food, etc., analysis. The work is arranged to suit the needs of individual students.

Commerce.

Professor Parke.
Mr. Cremer, Instructor.

This department aims (1) to prepare teachers to organize and conduct commercial courses in high schools; (2) to train teachers and supervisors of penmanship; (3) to offer elective courses for those who wish to obtain some knowledge of business subjects as a part of their general education.

The degree of Bachelor of Science in Commerce is issued by the state, authorizing the holder to teach in Kansas high schools both commercial branches and any other subjects for which his preparation qualifies him. For requirements see page 44.

Students who are candidates for the degree of Bachelor of Science in Education and desire to major in Commerce should include in their major the following:

	hrs.		*hrs.*
Accounting	9	Ec. and Ind. Geography	3
Law	8	General Economics	3
Business Organization	2	Commercial Arithmetic	2
Office Training	2	Prin. and Meth. in Commercial Education	2
Penmanship	2		

A *mionr* of fifteen hours may be selected from any other department.

Shorthand and typewriting are strongly recommended. They are counted toward the degree of Bachelor of Science in Commerce (see page 44), and on the special certificate (see page 51), but do not apply on the degree of Bachelor of Science in Education. The demand for teachers of shorthand and typewriting is very strong.

A special certificate to teach commercial subjects in the elementary and high school is issued for two years' work. For requirements see page 50.

Civil Service and Office Courses. Students may take work through one year or more leading to preparation for the civil service of Kansas or of the United States and for office work as stenographers, secretaries and bookkeepers upon payment of a small fee in addition to the regular incidental fees. For further information regarding these courses write or confer with the head of the department.

In the accounting courses instruction is given in the use of business papers, in business customs, and in business management. Students are also familiarized with the state texts in bookkeeping used in Kansas high schools.

1.—Elementary Accounting. *Three hours credit.*

Summer Term, and Each Semester.

This course serves as an introduction to the field of accounting. Single entry, double entry, trial balance, balance sheet, cost and income or profit and loss statements, closing the books, special books, special columns in books, subsidiary ledgers, and controlling accounts. The course is given by textbooks, lectures, and practical problems and exercises.

3.—Mercantile Accounting. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, Elementary Accounting or a year of High-school Bookkeeping. Shows the application of accounting principles to various lines of mercantile business. Practical sets of transactions are worked out and practical problems solved.

4.—Household Accounts. *One hour credit.*

On sufficient demand.

A simple but complete plan for keeping a classified record of household receipts and expenditures.

5.—Farm Accounting. *Two hours credit.*

First Semester.

A practical system of keeping farm accounts, so devised as to show the condition, progress, and results of the farm business as a whole and in each of its departments. A course useful to students in agriculture as well as to those in commerce.

6.—Bank Accounting. *Two hours credit.*

First Semester.

Prerequisite, Elementary Accounting. Organization, management, and functions of banks. Books are opened from statements of a bank already in operation, transactions entered, and statements made. Forms of books and statements of different banks studied and compared.

8.—Wholesale Accounting. *Three hours credit.*

Second Semester.

Prerequisite, Elementary Accounting. Emphasis is placed upon the classification of accounts and the interpretation of business statements.

14.—Business Law I. *Three hours credit.*

Summer Term, and Each Semester.

It is the aim in this course to teach those principles of law that give one an intelligent idea of his legal rights and limitations in business dealings. The law of contracts, sales, commercial paper, agency, partnership, corporations, and real estate, are among the topics studied. Drills are given in writing legal paper. Constant reference is made to Kansas statutes and court decisions.

17.—Elementary Stenography.* *Five hours credit.*

Each Semester, Gregg system.

Emphasis is placed upon mastery of principles and correct formation of characters and outlines. Much drill is given in reading shorthand as well as in writing ordinary business and literary matter.

18.—Advanced Stenography.* *Five hours credit.*

Each Semester, Gregg system.

Prerequisite, Elementary Stenography. Special contractions and shortening principles, phrasing, and daily dictation, with reading and transcription of notes. Emphasis is placed upon accuracy and readiness in transcribing.

19.—Shorthand Speed Practice.* *Two hours credit.*

On sufficient demand.

Prerequisite, Advanced Stenography. Dictation of difficult matter, use of dictaphone, discussion of office routine.

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* These courses cannot be submitted for the degree of Bachelor of Science in Education.

22.—ELEMENTARY TYPEWRITING.* *Three hours credit.*

Summer Term, and Each Semester.

No prerequisite. Beginning with the mastery of the keyboard by the touch method, the student is led by a series of progressive exercises to the acquisition of practical speed and accuracy in writing ordinary business and literary matter. Laboratory fee, $4.

23.—ADVANCED TYPEWRITING.* *Two hours credit.*

Second Semester.

Prerequisite, Elementary Typewriting. Drill is given in writing from copy and from dictation, and in various lines of office work. Laboratory fee, $2.

26.—METHODS IN PENMANSHIP. *Two hours credit.*

Summer Term, and Each Semester.

Designed for supervisors and teachers of penmanship in elementary and high schools. Discussion of aims; a study of the psychology, physiology, and hygiene involved; development of muscular control, and of speed with legibility; scales, their function and value; blackboard illustrations; analysis and discussion of letters, singly and combined; recent experiments. The library is well supplied with books and articles by investigators and teachers, and to these the student is constantly referred.

51.—ADVANCED ACCOUNTING. *Three hours credit.*

Second Semester.

Prerequisite, six hours of Accounting. This course is devoted mainly to a study of modern cost keeping, with attention to the distinctive features of corporation accounting, and a study of the form and interpretation of the balance sheet.

52.—ACCOUNTING PROBLEMS. *Two hours credit.*

Second Semester.

Prerequisite, nine hours of Accounting. Theory and philosophy of accounts. Accounting systems are studied and systems devised, with problems and exercises illustrating accounts and methods of various classes of enterprises. C. P. A. problems are largely used. The library is supplied with books and periodicals treating of accounting theory and practice.

54.—OFFICE TRAINING. *Two hours credit.*

Summer Term, and Second Semester.

Organization and management of an office; business correspondence; handling of mail; filing systems; preparation of business papers; use of the dictaphone, mimeograph, letter press and other office appliances.

57.—BUSINESS ORGANIZATION. *Two hours credit.*

On sufficient demand.

It is advised that this course be preceded by General Economics. Fundamental principles of business administration. The individual business man, the partnership, and the corporation. Extractive, manufacturing, and distributive industries. The various departments of a large business and their relation to one another. The market, advertising, credits and collections. The administrative department and accounting methods.

58.—SALESMANSHIP. *Two hours credit.*

Second Semester.

There is at this time a lively interest in salesmanship as a school subject, particularly on the part of business men, and to meet this

* These courses cannot be submitted for the degree of Bachelor of Science in Education.

growing demand this course is offered. In this course the fundamentals of salesmanship are considered, including among the topics studied, the salesman and his preparation; the process of a sale from its inception; the distinct forms of sales with typical problems.

60.—Elementary Law. *Three hours credit.*

Summer Term, and First Semester.

Designed to give a general view of the American legal system. Among the topics studied are: Written and unwritten law; personal and property rights; criminal law; private wrongs; remedies for public and private wrongs, with an outline of court procedure. Statutes and court decisions are used freely. Valuable to students of history, government and economics, as well as of business subjects.

61.—Business Law II. *Two hours credit.*

Second semester.

Prerequisite, Business Law I, or Elementary Law. An advanced course with emphasis on contracts and negotiable instruments.

62.—Principles and Methods in Commercial Education. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisite, twelve hours of Commerce. A teacher's course, including among other topics the following: Essentials of commercial education; the high-school commercial course, including subjects to be taught, order of presenting them, amount of work to be done in each, methods of teaching. Relation of the business course to the business community; adaptation of the course to the small, the medium, and the large high school, and to local conditions.

English.

Professor Barrett.
Associate Professor Newton.
Associate Professor Lawrence.
Mr. Birdsong, Instructor.
Miss Askew, Instructor.
Miss Keeran, Instructor.
Miss King, Instructor.

For those majoring in English, courses 16, 17, 56 and 57 are especially recommended. They should take courses in English History as early as possible to furnish a background for their work in English Literature. Fundamentals of Expression and other courses in the Public Speaking Department are almost essential to one who is preparing to teach English.

1*a*.—Rhetoric and Composition I. *Three hours credit.*

Summer Term, and Each Semester.

In this course there is a severe drill in the simpler technique of writing. The student is required to write constantly and continually. Current magazines are used as a source of material and as models of prose style. Required of all students except those who are promoted to a more advanced course after having shown their ability to write. Open to freshmen and sophomores. If taken by juniors or seniors, only one and one-half hours credit will be given.

1*b*.—Rhetoric and Composition II. *Three hours credit.*

Summer Term, and Each Semester.

The written work of course 1*a* is continued, and in addition the reading of much standard English prose is required.

2.—NEWSPAPER ENGLISH I. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, Rhetoric and Composition I. This is a study of the form of composition of the news report. The development of a terse and powerful style is sought. Fully fifty percent of the material written in this class reaches the printing press.

3.—NEWSPAPER ENGLISH II. *Three hours credit.*

Each Semester.

Prerequisite, Rhetoric and Composition I. This is a study of current opinion. The editorial, as an intelligent comment on affairs, is studied. The simpler kinds of critical writing are taken up. Each student undertakes, with a view of publication, an investigation of some subject vital in modern life. These courses in general journalistic English are designed to give the teacher power to put the school before the public.

4.—ADVANCED COMPOSITION FOR WOMEN. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, Rhetoric and Composition I. A constructive course in written and oral English. Papers based upon personal investigation and library research work are required. Demonstrated talks along lines in which the student is especially interested are emphasized. The course fits the student for constructive work in English which she will meet in life, such as papers and talks before teachers' associations and clubs.

11.—AMERICAN LITERATURE. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, Rhetoric and Composition I. This course gives a general review of the history of American literature, but the emphasis is strictly placed on the classics. Methods in presenting the work in high school will be suggested. Much reading in the library is required.

12.—THE NOVEL. *Three hours credit.*

Second Semester.

Prerequisite, Rhetoric and Composition I. A study is made of the rise and development of the novel. The structure of the novel is studied. An intensive study is made of some of the novels of Jane Austen, Scott, Dickens, Thackery, George Eliot, Meredith, and Hardy.

13.—CURRENT LITERATURE. *Three hours credit.*

Summer Term, and Second Semester.

Prerequisite, Rhetoric and Composition I. In this course a study is made of some of the best new or recent poetry, essays and fiction. Comparison is made with established models, and an effort is made to develop power of criticism. Current magazines and the library are used extensively.

14.—NINETEENTH CENTURY PROSE. *Three hours credit.*

Second Semester.

Prerequisite, Rhetoric and Composition I. The course includes a study of Lamb, DeQuincey, Carlyle, Macaulay, Ruskin, and Arnold. The characteristics of the prose style of each as well as the content matter is examined. The development of the essay is also noted.

16.—ENGLISH LITERATURE, 1660-1800. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, Rhetoric and Composition I. A study is made of the

classical period and its prose and poetry. The growth of the romantic movement will be traced to its culmination at the end of the century.

17.—English Romantic Poets. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, Rhetoric and Composition I. A general survey of the "Romantic Movement" is made. The poets considered are: Wordsworth, Coleridge, Scott, Byron, Shelly and Keats.

18.—The Short Story. *Two hours credit.*

Summer Term, and First Semester.

Prerequisite, Rhetoric and Composition I. Both the constructive and literary sides of the short story are emphasized. Various types are studied. An original short story is written.

19.—Children's Literature. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, Rhetoric and Composition I. Consideration of methods of interesting children of grades 1 to 8 in good literature; principles of book selection; study of types of the best modern children's books by actual examination and reading. Better taken in sophomore than in freshman year.

51.—Shakespeare's Tragedies. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisite, nine hours of college English. This is a study of the conception of tragedy in literature. All of Shakespeare's tragedies are read and discussed. One of his greater tragedies is studied intensively. Shakespeare's versification and the composition of blank verse in general receives attention. Aristotle's poetics is read, and therefrom a philosophy of the tragedy constructed.

52.—Shakespeare's Comedies. *Two hours credit.*

Summer Term, and First Semester.

Prerequisite, nine hours of college English. Eight of Shakespeare's comedies are read, chosen from the different types. Some attention is paid to the life and times of Shakespeare and the development of his genius.

53.—Tennyson. *Two hours credit.*

Summer Term, and First Semester.

Prerequisite, nine hours of College English. A study of the author's characteristic poems.

54.—Browning. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisite, nine hours of College English. This course includes all of Browning's short poems that are usually studied in schools, his dramas, and selections from "The Ring and the Book."

55.—The Modern Drama. *Two hours credit.*

Second Semester.

Prerequisites, nine hours of Composition and three hours of Literature. About fifteen plays are studied, including some of Pinero, Fitch, Shaw, Jones, Yeats, Hofmanstahl, Brieux, Echegaray, Thomas, and others.

56.—English Literature to 1500. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, nine hours of College English. The object of this course is to make a general review of English literature from its

earliest beginning down to the Renaissance. Some time is devoted to Chaucer. The source of various movements that develop later are noted. Students are expected to spend considerable time reading in the library.

57.—English Literature, 1500-1660. *Three hours credit.*

Summer Term, and Second Semester.

Prerequisites, six hours of Composition and three hours of Literature. The English drama, except Shakespeare, is studied. Spencer Bacon and Milton are given due attention.

60.—Teaching of High-school English. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisite, fifteen hours of College English. Various problems that confront the teacher of high-school English are taken up and discussed. The different types of literature are studied, and methods of presenting each are worked out. The teaching of composition and grammar in the high school is also taken up.

Geography.

Professor Atwood.
Miss Williams, Instructor.

1.—Economic and Industrial Geography. *Three hours credit.*

Summer Term, and Each Semester.

How the World War has affected the use of our resources. A study is made of the distribution, development, and conservation of the world's natural resources, and their relation to the growth and power of the great nations. The geographical factors are emphasized which influence the location and growth of industrial regions, trade centers and routes, and commercial activities.

2.—North America. *Four hours credit.*

First Semester.

A study of the physiography of the continent, and its influence upon the development of the nation. Emphasis is given to the distribution, development, and conservation of the natural resources of the United States, and their relation to industrial and commercial activities. The advantages of North America as the home of the greatest nation are noted.

3.—South America. *Three hours credit.*

Second Semester.

The geographical factors influencing the development of the nations of South America are studied. Consideration is given to the future progress of those nations as influenced by the physical advantages and disadvantages. The industrial regions, trade centers, and commercial activities of the continent are noted.

5.—Eurasia. *Four hours credit.*

First Semester.

The course includes a description of several regions, including the geology, topography, physiographic history, climate and resources. The influences of geographic conditions on industries, on the location and growth of cities, and on the World War are discussed.

6.—Teaching Geography in the Grades. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, Economic and Industrial Geography, or its equivalent. The nature and scope of geography and its relation to other

subjects of study is emphasized. Subject matter for a course of study is selected, and other courses of study are considered. A study is made of methods of presentation for different grades. Illustrative and graphic material is obtained and used. Textbooks and other material are noted.

7.—Advanced Physiography. *Four hours credit.*

Summer Term, and Second Semester.

Prerequisite, High-school Physical Geography or its equivalent. Climate is a very important factor limiting man's accomplishments. Half the semester is given to a study of elementary meteorology and world climates. The types of land forms, their origin, growth and relation to man's interests are discussed. Subject matter is selected and methods for high-school teachers are considered. One hour a week of laboratory work is required.

8.—Illustrative and Graphic Geography. *One hour credit.*

Summer Term.

Chalk modeling is done of types of relief features, as mountains, valleys and coasts. Maps of different materials are made. Emphasis is given to the making of graphs and their uses. This course is of special help to illustrate and bring greater success in teaching. Learn to draw and talk geography.

10.—Geography of Europe. *Three hours credit.*

Summer Term, and First Semester.

The land of the World War is before the people more than any other part of the world. The geographic conditions that entered into the cause of the war, that have influenced the movements of armies, and that will affect the results of the war will be considered.

50.—Relation of Geography to History. *Three hours credit.*

First Semester.

The geographic factors that controlled mediæval trade and trade routes, and led to the discovery of the Americas are noted. A study is made of how geography determined the location and growth of early settlements of America and stimulated the western movement of people in the United States and the growth of the United States to a world power.

American History and Government.

Professor Whitney.
Associate Professor Porter.
Miss Wattenbarger, Instructor.
Miss Minrow, Instructor.

AMERICAN HISTORY.

Professor Whitney.
Miss Wattenbarger.
Miss Minrow.

1.—American History, 1763-1860. *Three hours credit.*

Summer Term, and Each Semester.

This is a textbook course designed especially to meet the three-hour college requirement for college students who have not had American history in the high school, and for those who do not expect to major in history.

2.—American Political and Constitutional History, 1789-1817. *Three hours credit.*

Each Semester.

A course dealing with the organization of the national government, including a study of early political parties and the questions involved in foreign relations. Special stress is laid upon the economic, governmental and international conditions leading to the War of 1812. These will be carefully compared with similar conditions leading to the Great War of 1914.

3.—American Political and Constitutional History, 1817-1860. *Three hours credit.*

Each Semester.

This is an era of great internal development. Economic questions arise with direct bearing upon the Rebellion. New movements, educational, political, philanthropic, religious, literary and governmental, characterize the period. This is better understood if preceded by course 2.

4.—Kansas History. *Two hours credit.*

Second Semester.

The laboratory method is used to develop the following lines of research: The discovery, exploration and early settlement of Kansas; Kansas as Indian territory; the great struggle for a free or a slave state constitution; Kansas in our Civil War; changes and political evolution since the sixties; the part Kansas has played in the nation's progress in education, letters, philanthropy, resources, and constitutional interpretation. Definite readings, reports and papers are required.

5.—The Rebellion and Reconstruction. *Four hours credit.*

First Semester.

The general facts underlying the precipitation of this conflict from the introduction. The war itself is studied by campaigns, with the attempt to discover the designs and methods of operation. The resources of the combatants, the armies, navies, supplies, means of transportation, etc., the finances, the attitude of foreign countries, are subjects of study. The problems of reconstruction, with all that is involved, the difficulties surrounding them, the ends sought, the methods of solving them and the consequences resulting from the least understood part of our nation's history.

5*a*.—Reconstruction. *Two hours credit.*

Summer Term.

7.—History in the Grades. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, four hours of Drawing. This course deals with the selection of material, method of presentation, books of reference, and means of visualization for history in the grades. Handwork of all kinds is used for illustrative work. Especially valuable for rural and elementary school teachers.

51.—American History Since 1876. *Three hours credit.*

Summer Term, and Second Semester.

This course stresses the leadership of the United States as a world power; her entrance into the World War; and her possibilities as a future leader of nations. Much attention is devoted to the modern social and economic problems with reference to recent policies of government.

52.—American Colonial History to 1763. *Four hours credit.*

First Semester.

European conditions leading to our age of discovery, and the ancient life in America, are followed by a detailed study of the discoverers and explorers as expressive of the character, motives, methods, and result of European expansion in the fifteenth and sixteenth centuries. The planting of the individual colonies and the development of colonial institutions laid the foundation for the formation of the American nation.

53.—The American Revolution and Critical Period, 1763-1789. *Three hours credit.*

Second Semester.

This story of the struggle of the colonies for independence and of the nation to realize itself in government is a dramatic one. One sees a nation in the making and the process by which it builds great principles into its form of government.

54.—Latin America. *Two hours credit.*

Summer Term, and First Semester.

War course. The history of these countries is studied in the light of their bearing on the great World War.

55.—The West. *Two hours credit.*

Summer Term, and Second Semester.

The growth of our nation westward is studied for its causes and processes. New problems and how they affect our national life are considered.

GOVERNMENT.

Associate Professor Porter.

1.—American Government. *Three hours credit.*

This course covers the field of national and state government. The federal principle and the constitutional system peculiar to the United States are studied, and the characteristically American institutions are analyzed. Detailed attention is given to the governmental structure, and the functions of governmental organs. Text: Beard, "American Government and Politics."

2.—Local Government. *Three hours credit.*

In this course a study is made of city and county government. Special attention is given to recent tendencies in the development of municipal functions, commission government, city manager plan, home rule, and the problems of municipal administration. No single text is used.

51.—Governmental Problems. *Three hours credit.*

In this course a study is made of particular problems of American political development that can only be touched upon briefly in course 1. Specific reading assignments are made upon such matters as the Short Ballot, Direct Primaries, Government Control of Industry, etc. Contemporary problems discussed in current political literature are also introduced. The student will be expected to read consistently current magazines dealing with political matters. Young, "The New American Government and Its Work," is used extensively.

52.—International Law. *Three hours credit.*

The fundamental principles of International Law are treated in this course. A study is made of the law of nations as it has developed through custom, judicial decisions, treaties, and interna-

tional conventions. Constant use is made of illustrative documents, treaties, and cases. Particular attention is given to the influence of the United States in shaping international law. Text: Lawrence, "Principles of International Law."

53.—Comparative Government. *Three hours credit.*

In this course a study is made of the governments of Europe. Particular attention is given to the British cabinet system, which is contrasted sharply with our own. Text: Ogg, "Governments of Europe."

54.—Seminar. *One hour credit.*

This course is conducted by means of written reports and general discussion on assigned topics of interest to students of history and government. Meetings are held every other week for a two-hour period.

European History.

Professor Williams.

The equipment of the European History Department consists of books of the following classification: General, consisting of history of civilization, philosophy of history, historical research and method, 152; European, 250; English, 300; Roman, 220; Greek, 132. Of this number 100 are either complete or extract source material. The additional material consists of three historical charts, fourteen wall maps, six graphic charts, ten wall pictures, and a large number of small pictures, eight historical atlases, and two complete stereopticon sets and slides of Greece and Rome. It is the plan of the department to complete this equipment until a fair-sized museum will be established.

All the courses offered in this department will acquaint the student with the problems growing out of the Great War, both through a study of the principles involved and the events underlying the conflict. Current periodicals will be used in all the courses.

1.—European History During the Middle Ages. *Three hours credit.*

First Semester.

This course covers the period of history of Europe between the decline of the Roman Empire and the Renaissance in the fifteenth century. The period was preëminently an institutional epoch, when forms and customs were in the making. The course deals with the transition from the ancient to the mediæval world, the effects of the barbarian invasions; the growth of the Christian church; the feudal system; mediæval culture; and the beginnings of modern states and civilizations. Special attention is given in the course to a development of the historical point of view and in the use of source material. This course is considered fundamental to later work in history.

2.—Modern European History. *Three hours credit.*

Summer Term, and Each Semester.

A general course dealing with the important phases of European history from the time of the Renaissance until the present. It treats of the Renaissance, the Reformation, the age of Louis XIV, the French Revolution and the Era of Napoleon, the Unification of Italy and Germany, and the Europe of to-day. This course should follow course 1.

3.—History of Greece. *Three hours credit.*

First Semester.

Emphasis is laid on the artistic, intellectual, religious, social, economic and political life of the Greek people. Special attention is given to mythology as an aid to teachers in primary and secondary schools. The fundamental idea is kept in mind that the historical significance and importance of the Greeks in their contributions to the general civilization of the world in their development of a superior intellectual and æsthetic culture.

4.—History of Rome. *Three hours credit.*

Second Semester.

This course traces the growth of the Roman state and people from the legendary period to the time of the incoming of the barbarian and the deliquiescing of the empire. The real greatness of Rome, which forms a part of the world's possessions to-day—her monuments, her language and literature, her ideals of government, and her legal system—receive particular attention. Recommended to students majoring in Latin.

5.—History of England to 1603. *Three hours credit.*

Summer Term, and First Semester.

In this course the aim is to trace the great movements by which ancient England has become modern England and the forces which have given rise to these movements; the fusing of several races into the English people; the early English institutions, which were the germs of later institutions, and the social and economic life of the period receive consideration.

6.—History and Government of England from 1903 to the Present. *Three hours credit.*

Summer Term, and Second Semester.

This course is a continuation of course 5. They should be taken in regular order, but with the consent of the department this requirement may be waived. The course deals with the successful working out by the English people of two great problems in government—that of self-government under free democratic forms, and that of governing remote dependencies. The development in the great fields of industry—manufacture and commerce—and the growth in social and intellectual progress are also studied.

9.—Problems of Reconstruction. *Two hours credit.*

Summer Term, and Each Semester.

This course deals with the new conditions and problems growing out of the recent World War. The birth of new nations and their past history, the determination of the peace terms, the working out of the League of Nations idea into a realized fact, readjustments which the nations must make to meet the new situation, are topics that come under the scope of this study.

13.—The History of Germany Since 1740. *Two hours credit.*

First Semester.

This course deals with the more important events of German history from the ascension of Frederick the Great to the present time. The rise of modern Germany has long attracted the attention of American students, and the role she is now playing in the present European war makes her past and present a matter of special interest. The treatment of German life in all its aspects furnishes a good historical background for the student of the German language.

14.—THE HISTORY OF FRANCE. *Two hours credit.*

Second Semester.

This course attempts to present the leading facts of French history from early Roman times to the present, and is especially recommended to students of the modern languages and Latin.

51.—INDUSTRIAL AND SOCIAL HISTORY OF ENGLAND. *Two hours credit.*

First Semester.

Prerequisite, courses 5 and 6. This course is recommended to round out the study of English history. Mediæval rural and town life, trade and commerce, the economic changes of the fourteenth and fifteenth centuries that resulted in the breaking up of the mediæval system, the industrial revolution with its momentous results, the extension of government control shown in the factory laws, modification of land ownership, sanitary regulations and government industries, and the development of trade-unions, trusts and coöperation, are the principal topics of study.

52.—THE REFORMATION. *Two hours credit.*

Second Semester.

This course gives consideration to the general struggle between the old and the new order of things, the modern nations which were rising into power, and the need of reform before the revolt occurred. The individual reformers, together with the revolt and the counter-revolt in the various countries, are objects of study. The religious, political and economic results of the movement complete the study.

53.—THE FRENCH REVOLUTION. *Two hours credit.*

Second Semester.

To understand the social, economic and political conditions in France which were outgrown, and the origin and growth of the revolutionary spirit, is quite as necessary as to trace the history of the destruction of abuse and the struggle for liberty and rights. The course offers a study in social psychology and the political theories of the time, as well as a history of the Revolution itself.

54.—MEDIÆVAL INSTITUTIONS. *Two hours credit.*

On sufficient demand.

An intensive study of a number of problems in mediæval social, political and religious institutions.

55.—EIGHTEENTH CENTURY HISTORY. *Three hours credit.*

First Semester.

This course presents a preparatory study for the history of the nineteenth century. It was the eighteenth century which set the problems of progress and suggested their solution. It was the nineteenth century that worked them out in detail and made their applications. This course will deal with the European struggles for colonial and commercial supremacy, the Old Régime in Europe, the forces working for reform; France before, during and after the Revolution, and the Napoleonic era down to the Congress of Vienna in 1815. The territorial changes, national policies, economic conditions and intellectual interests of this period form the basis for a fuller understanding of the nineteenth and twentieth centuries.

56.—THE NINETEENTH CENTURY AND AFTER. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 1. This course begins with the reconstruction of Europe in 1815, and continues the history of Europe to the present. The ideas bequeathed by the French Revolution of social

and political equality and freedom and the struggle for national unity and popular sovereignty are dominant factors in the period. The great economic, social and scientific changes which mark modern times are followed. The world problems and movements of to-day are studied through the newspapers and current periodicals. Reading, clipping, filing and reporting upon these current events form an interesting and valuable part of the course.

58.—SOUTHEASTERN EUROPE. *Two hours credit.*

Second Semester.

No portion of Europe presents such a museum of races or a finer laboratory of history. At no time since the beginning of the Eastern Question has the Balkan Peninsula been of such political and military importance. The object of the course is to study not only the national history and characteristics of the present states, but also the environment and civilization of the people represented in these states. The course well represents history in the making.

59.—THE TEACHING OF HIGH-SCHOOL HISTORY. *Two hours credit.*

Summer Term, and Each Semester.

Open, by consent of instructor, to Sophomores. This course is intended to meet the needs of high-school teachers of history. It considers the nature and scope of history, the sources of historical knowledge, evidence and criticism, the past and present points of view in regard to the subject. The discussions cover the aims and values of historical study, the history program for the high school, materials and methods of instruction. Each student is expected to work out bibliographies for various history courses, criticize textbooks, select lists for library reference works, and report on current historical articles. Observation and criticism of high-school classes form an important part of the course.

60.—SEMINAR IN EUROPEAN HISTORY. *One hour credit.*

Summer Term, and Second Semester.

Intensive study of a limited period or a special phase of social or political development with a view to training in historical method and use of the sources. Subjects vary from year to year.

Home Economics.

Professor BEYE.
Miss DEXTER, Instructor.
Mrs. WAUGH, Instructor.

Students in this department should plan the work very carefully, so that all prerequisite work may be completed by the time they wish to take a certain course. The student furnishes material for garments made. The fees charged are to cover supplies used.

A special certificate to teach home economics in the elementary school and high school is issued. For requirements for the certificate, see page 51.

HOUSEHOLD ART.

Miss DEXTER.

1.—SEWING AND TEXTILES. *Five hours credit.*

Summer Term, and Each Semester.

This course consists of two parts: 1*a*, *Sewing;* two hours credit; six hours laboratory; fee, 75 cents. 1*b*, *Textiles;* three hours credit. 1*a*, or its equivalent, must be prerequisite or taken with textiles. Study of textile industry, fibers, materials, adulterations, and weaving. Fee, $2.

4.—DRAFTING. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisite, Sewing and Textiles, and Free-hand Drawing I. Six hours laboratory; two hours lecture work. A course in designing and drafting of patterns applied on garment work. Fee, 75 cents.

54.—APPLIED COSTUME DESIGN. *Four hours credit.*

Prerequisite, Drafting and Free-hand Drawing II. Six hours laboratory; two hours lecture work. Application of study of design and color and selection of materials in garment work.

HOUSEHOLD SCIENCE.

Professor BEYE.
Mrs. WAUGH, Instructor.

6.—SURVEY OF FOODS. *Four hours credit.*

Summer Term, and Each Semester.

Four hours laboratory; two hours lecture work. A survey course for those not majoring in home economics; a study of foods and the home.

14.—FOODS I. *Four hours credit.*

Each Semester.

Prerequisites, high-school physics, high-school chemistry, general college chemistry. Four hours laboratory; two hours lecture work. A study of the principles governing the selection and preparation of proteins and fats. Fee, $4 to $6.

15.—FOODS II. *Four hours credit.*

Each Semester.

Prerequisite, Household Science 14 and Household Bacteriology. A continuation of Household Science 14. A study of principles governing the selection and preparation of carbohydrates; a study of preserving and leavening agents. Fee, $4 to $6.

60.—ECONOMIC USES OF FOODS. *Three hours credit.*

Each Semester.

Prerequisites, Household Science 15, Physiology of Alimentation and Qualitative Analysis. Four hours laboratory; one hour lecture work. A study of food values from economic and calorie standpoint as applied to preparation of meals for families of varying ages, occupations and incomes. Fee, $4 to $6.

62.—DIETETICS. *Four hours credit.*

Second Semester.

Prerequisites, Household Science 60 and Organic Food Analysis. A study of the chemistry of food and nutrition, of diet under normal and abnormal conditions. Fee, $3.

64.—ECONOMIC PROBLEMS OF FOOD AND CLOTHING SUPPLY. *Three hours credit.*

Second Semester.

Prerequisites, Household Art 54, Household Science 60, and Sociology.

68.—HOUSE AND HOME. *Four hours credit.*

Summer Term, and Each Semester.

This course consists of two parts: 68*a*, *House Construction and Sanitation*, with *two hours credit* (prerequisite, Household Bacteriology), offered by the Household Science Department; and 68*b*, *Interior Decoration* (prerequisite, Elementary Design), with *two hours credit*, offered by the Art Department.

75.—Teachers' Course in Economics. *Two hours credit.*

Second Semester.

Prerequisite, General Psychology, Methods in Elementary Instruction, or Methods in Rural-school Instruction, and Home Economics 1, 4, 54, 14, 15 and 68. This course includes methods in both household art and household science and is required of all persons expecting to be recommended from the department as household science or household art teachers, or supervisors. It includes the study of the history of home economics and education of women together with studies in equipment and supplies. Includes teaching in Normal Training High School.

Latin.

Professor Holtz.
————, Instructor.

EQUIPMENT.

The department is supplied with maps of the Roman world, ancient Italy, Gaul, Rome and its environment, the city of Rome and the Roman Forum; also with wall pictures, costumes, and statuary of classical subjects. The library contains a large and well-selected supply of reference books that will compare favorably with similar collections in the leading colleges and universities of the middle West. Bound sets of the leading classical journals, as well as the current numbers, are always accessible to students. The department owns lantern slides illustrating Cæsar's campaigns, the Saalberg camp, the story of the Æneid, classical mythology, and Roman public and private life. Students also have the advantage of several hundred post cards and small photographs suitable for use in the reflectoscope, and a carefully developed "Sabin Exhibit."

ENTRANCE.

Students entering with the required units of high-school credit may take any course for which they are prepared, and receive college credit when they satisfy the department that the character of their work is of college grade. Students with no Latin credit will take Elementary Latin; those with one unit credit will take Cæsar; those with two units, Cicero's Orations; with three units, Virgil's Æneid; with four units, Livy or Cicero's Essays. Students who have not had the equivalent of one hour per week in Latin composition for second and third years' work in the high school will be conditioned in composition pending an examination, or allowed to make up the requirement in the Normal Training High School classes.

A minimum credit for a year of elementary Latin will count toward graduation. Also a semester's work in Cæsar will be so considered. All other courses will be recorded as per catalogue hours.

CHOICE OF OTHER SUBJECTS.

As the work of the student in History, Science, English, Modern Language, Mathematics—in fact, in every academic subject—is materially aided by the study of Latin, so the student of Latin should enrich his training with courses in the above departments. A student who expects to teach Latin should make special preparation to teach one or two other subjects in order to meet the demands of the average high school. Of the

three hundred fifty teachers of high-school Latin in Kansas the majority teach the following combinations: Latin and Modern Language; Latin and History; Latin and English; Latin and Science. Our teachers' bureau sometimes has calls for a teacher of Latin and Normal Training; Latin and Music; Latin and Mathematics. The following are recommended: Advanced English, European History, French or Spanish, and Public Speaking.

MAJOR.

Before completing a Latin major or before securing a departmental or Normal Appointment Bureau recommendation, a student must make satisfactory records in the following courses: Virgil, Cicero's Essays or Livy, Advanced Composition, Latin Grammar, The Odes of Horace, Methods in High-school Latin. The remaining quota of hours will be selected upon consultation with the head of the department.

UNIVERSITY DEGREES.

Candidates for the higher degrees in a majority of the universities are held for two to four years of entrance Latin. Students should not embarrass themselves by failing to work off their language requirements before taking advanced work in the universities.

1.—ELEMENTARY LATIN. *Five hours credit.*

Summer Term, and Each Semester.

The essentials of Latin forms and syntax, including work in the subjunctive mode. The acquisition of an adequate vocabulary for the reading of short continuous passages and the writing of original exercises in Latin based upon pictures, current events, games and stories. The correlation of Latin with English, and other subjects in the curriculum. The relation of Latin to the everyday life of the present.

2.—LATIN PROSE READINGS. *Five hours credit.*

Summer Term, and Second Semester.

Prerequisite, course 1. A continuation of the above, dealing in particular with easy prose reading. A study of the Helvetian campaign, or equivalent Latin, in addition to the exercises of the first-year text. Composition practice on assigned and original work. Practice in translation at sight and from hearing syntax, stressing case usage. Extensive study of English derivatives.

4.—CÆSAR AND COMPOSITIONS. *Five hours credit.*

Summer Term, and First Semester.

Prerequisite, courses 1 and 2, or a year of high-school Latin. Translation by assignment and at sight from the additional books of Cæsar's Gallic War, or its equivalent. Syntax, stressing the subjunctive mode and all subordinate clauses, with composition by sentence and paragraph to illustrate the same. Individual studies and reports, with a summary of Cæsar's campaigns as a whole. Latin word formation and English derivatives.

5.—CICERO I; ORATIONS *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, course 4, or two years of high-school Latin. A study of four selected orations. Translation by assignment and at sight. Syntactical study, stressing conditional sentences. Analysis of each oration. Roman social and political conditions compared with those of modern times. Daily study of English derivatives. Prose composition based upon text read. Open to those who have not had Cicero in high school.

6.—CICERO II; ORATIONS. *Three hours credit.*

Summer Term, and Second Semester.

Careful reading of three orations, including the Poet Archais and the Manilian Law. Daily prose based upon the text. The writing of continuous narrative. Rhetorical analysis of orations. A study of Roman political conditions. The courses in Cicero are also recommended to those majoring in European history.

7.—VIRGIL I. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, three years of Latin. Three books of the Æneid. Course designed to secure an appreciation of Virgil's style and delineation of character. Due attention given to classical mythology and metrical reading. Reports and papers on related topics. The chief emphasis will be laid on the literary side of the poem.

8.—VIRGIL II. *Three hours credit.*

Second Semester.

Four books of the Æneid continued from course 7. Selections and summary of the remaining books of the Epic. The author's place in literature. Daily translation and metrical reading. Themes of a research nature. Courses 7 and 8 are recommended also to all who expect to teach high-school English.

9.—CICERO'S DE SENECTUTE, or DE AMICITIA. *Two hours credit.*

Summer Term, and First Semester.

Prerequisites, courses 6 and 7. Careful translation by assignment and at sight, with daily drill in syntax of modes and tenses; special attention to the classification of subordinate clauses; daily composition based upon the text. Recommended to advanced students of English and to those who continue the study of Latin beyond Virgil. It is suggested that the course in Advanced Composition or Latin Grammar, two hours credit, be taken at the same time. Either essay and half the other will be offered for three hours credit.

10.—LIVY: BOOK XXI, SELECTIONS FROM BOOK XXII. *Three hours credit.*

First Semester.

Translation by assignment and at sight. Syntax of modes, tenses, and subordinate clauses. Daily prose based upon the text. It is recommended that students in Livy enroll also for Advanced Composition or Latin Grammar, two hours.

50.—HORACE: SELECTED ODES AND CARMEN SÆCULARE. *Three hours credit.*

Second Semester.

Translation, analysis, study of Horatian meters. Special topics for reports and papers. It is recommended that the course in Roman private life or the grammar course be carried in connection with Horace. Required of all who complete a major in the department. Must be preceded by Virgil.

51.—LATIN COMEDY: THE CAPTIVI OF PLAUTUS AND THE PHORMIO OF TERENCE. *Three hours credit.*

Summer Term, and Second Semester.

Should be preceded by course 9 or 10. Attention given to vocabulary, anteclassical forms and constructions, scansion, and idiomatic English in translation. The Roman theater. Papers and reports.

52.—ADVANCED LATIN GRAMMAR. *Two hours credit.*

Summer Term, and First Semester.

Open to all students with credit in three years of Latin. Designed, *first*, as a course in syntax for high-school teachers. Syntax of de-

pendent clauses, and especial stress upon the subjunctive. Classification of case and mode usages in Cæsar, Cicero and Virgil. Prose composition. *Second,* as a study of the latest and most conservative ideas on the principles of the Latin language. Bennett's Syntax of Early Latin; Hale and Buck's Grammar. Required of all students completing a Latin major.

53.—Roman Private Life. *Two hours credit.*

Second Semester.

Study of the life, social customs, dress, travel, amusements, and kindred topics from the remains of ancient art and archæology, and in particular from the ruins of Rome and Pompeii. Lectures, library research and reports. Use of pictures, lantern slides and models. Designed to supply supplementary knowledge for high-school Latin and history teaching. No prerequisite.

54.—Advanced Course in Composition. *Two hours credit.*

Second Semester.

Nutting's Advanced Composition, Part I or II, or its equivalent. Practice in writing connected discourse. Intended to accompany course 9 or 10. Required of all who expect to teach Latin.

55.—Tacitus: Germania and Agricola. *Three hours credit.*

Summer Term, and Second Semester.

Should be preceded by course 9 or 10. Attention given to vocabulary, post-Augustan forms and constructions, and indiomatic English in translation.

56.—Teaching of High-school Latin. *Two hours credit.*

Summer Term.

Required of advanced students who expect to teach Latin. Course deals with the educational values of ancient language study and the relation of those languages to the language and life of to-day; with the principles underlying the teaching of Latin; with methods in dealing with specific problems; with topics in Latin teaching; with supplementary material, lantern slides, pictures, songs, playlets and plays, organization and programs for Latin clubs, exhibits, lectures, reports, papers, etc. The student may earn additional credit in observation and practice teaching. (See course 59.)

57.—Advanced Cæsar. *Two or three hours credit.*

Summer Term, and Second Semester.

Prerequisite, courses 52 and 54. Rapid reading from books V-VIII. A critical study of the Gallic campaigns. Library research and critical papers. Intended as a practice course for Latin teachers. Discussion of problems in teaching Cæsar in high school. Translation from books V, VI and VII.

58.—Teachers' Course in Composition. *Two hours credit.*

Summer Term, and First Semester.

Adapted especially to the needs of those preparing to teach high-school Latin. Exercises dealing primarily with the syntax of the second year's work. The writing of continuous prose narrative in original and assigned exercises. The close classification of subjunctives in Cæsar's narratives.

59.—Demonstration Class in Junior or Senior High School. *Four hours credit.*

Summer Term, and Second Semester.

These classes will be conducted in both Junior and Senior high school. Students in the Latin methods class and others of advanced standing in the department may enroll in this course for teaching

and observation. The object will be to show the method of conducting a high-school class in Latin correlated with the study of English, and to afford an opportunity for regular practice teaching.

60.—Roman Satire. *Three hours credit.*

Second semester.

Selections from the satires of Horace and Juvenal, or the entire time devoted to either author. Translation, scansion, a study of conditions that produced Roman satirical writing. Papers on subjects related to the content.

61.—Classical Poetry in Translation. *Two hours credit.*

Summer Term, and Each Semester.

Intended for advanced students preparing to teach Latin or English. The important fields of Greek and Latin poetry are studied, with particular attention devoted to the Greek drama, to Latin pastoral poetry, and their influence on later literature. No Latin or Greek prerequisite.

Mathematics.

Professor Lindquist.
Associate Professor Ellis.
————, Instructor.
Miss Muir, Instructor.

1.—Advanced Arithmetic and Methods. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisites, one year each of Algebra and Geometry. Not a review of grade arithmetic, but an advanced course which gives teachers a broader and more comprehensive view of the science and history of number development together with material for classroom use. A historical survey of our system of numbers and measures, and relation of numbers. Fundamental principles, their applications and interrelations. Unification and correlation of subject matter. Graphs. This course applies on requirements for any certificate. Two hours credit may be applied on requirements for degree. (Lindquist, Keller.)

2.—Teaching of Elementary Mathematics. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, same as for course 1, and Review Arithmetic, Arithmetical language, relation of numbers, literal arithmetic, oral work, drills securing of interest. Eliminations, additions, and modifications of the course of study. A study of each topic taught in the grades and junior high school, from the standpoint of position in the course of study, importance, relation to other topics of arithmetic and to other studies, its general application, and best methods of presentation. Not open for credit to students who have had course 1 or 3. Open only to freshmen and sophomores. If taken by juniors and seniors only one hour credit will be given. (Lindquist.)

3.—Teaching of Commercial Arithmetic. *Two hours credit.*

Summer Term, and First Semester.

Arithmetic from the standpoint of the business man and the commercial teacher. Emphasis will be placed on the most approved forms of business computations used to-day, together with improvements on the same. Drills, short cuts, etc.; a study of the most valuable ones, their applications, and the best manner of presenting same to class. (Ellis, Lindquist.)

4.—Advanced Algebra and its Applications. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisites, one year each of Algebra and Geometry. The fundamentals of algebra and the reasons underlying the fundamental operations with positive and negative exponents. A review of factoring. Theory of exponents, surds and imaginaries. Theory of quadratic equations in one and in two variables, with applications. Graphs. Ratio, proportion and variation. Series, limits, logarithms, and use of the slide rule. Applications of algebra to physics, mechanics, mensuration and numerous vocations. Only for students who have had but one year of algebra in high school. (Keller, Ellis.)

5.—Solid Geometry. *Three hours credit.*

Summer Term, and First Semester.

Prerequisites, one year each of Algebra and Plane Geometry. Straight line in space, the plane, and the more common solids, as parallelopiped, prism, pyramid, cylinder, cone and sphere. Application to problems throughout. (Ellis.)

6.—Trigonometry. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 4 or its equivalent. Plane trigonometry, trigonometric functions, solution of right triangles by use of natural functions, solution of the right and of the oblique triangle by logarithms, radian measurements, trigonometric equations, and numerous applications to practical problems. Right spherical triangles. (Ellis.)

7.—Surveying. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 6, or to be taken simultaneously with course 6, which is recommended. A practical supplement to the course in trigonometry, dealing with its most common applications. For this reason it is advisable to have the two taken simultaneously. Sufficient work is done with the transit and level to familiarize the students with the ordinary work of the surveyor. (Ellis.)

8.—College Algebra. *Five hours credit.*

Each Semester.

Prerequisite, one year each of Algebra and Geometry. A rapid review of first-year algebra; exponents, surds, imaginaries; theory of quadratics; graphs; ratio, proportion, variation; series; logarithms; determinants; theory of equations; Horner's method of approximations. For students entering with only one year of elementary algebra.

9.—College Algebra. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, one and one-half years of high-school algebra or course 4. Rapid review of elementary algebra; graphic representation; logarithms; theory of equations; Horner's method of approximations; determinants. (Lindquist, Ellis, Keller.)

50.—Analytics. *Four hours credit.*

Second Semester.

Prerequisite, courses 6 and 8. Coördinates, locus of an equation, equation of locus, straight line; the more common curves, as circle, parabola, etc., and the relations between them. Plane analytics only will be considered. (Lindquist.)

50*s*.—Analytics. *Three hours credit.*

Summer Term.

Prerequisite, same as for 50. Selected topics from course 50, which will be of most value to students attending during the summer who are unable to take course 50 through the year.

51-52.—Calculus. *Seven hours credit.*

Through the year; *three hours* First, and *four hours* Second Semester.

Summer Term, upon sufficient demand.

Prerequisite, Plane Analytics. Derivatives, maxima and minima of functions, curvature, tracing of simple curves, indeterminate forms, series, the expansion of functions and numerous applications to problems in mechanics and physics. Integration, reductions to standard forms, use of integrating tables, definite integrals, finding of areas, volumes, length of curves, numerous applications to problems of physics. Differentiation and integration will be carried on simultaneously so as to bring out the connection between them more clearly. (Lindquist.)

51*s*.—Calculus. *Three hours credit.*

Summer Term.

Prerequisite, Plane Analytics. (Lindquist.)

53.—Teaching of High-school Mathematics. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisite, course 6. A critical historical survey of recent and present-day movements in the teaching of secondary mathematics, correlation of subjects, creation of interest, tests and examinations, definitions and axioms. Consideration of the topics of algebra, geometry and elementary trigonometry from the standpoints of presentation, placing of emphasis, difficulties and their remedies, making of problems and the collection of data for the same, historical points of reference connected with each. Observation of practice teaching in the Training High School. (Lindquist.)

54.—Astronomy. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisite, Plane Geometry. The usual work of descriptive astronomy constitutes the course. (Ellis.)

55.—History of Mathematics. *Two hours credit.*

Upon sufficient demand.

Summer Term, and Second Semester.

Prerequisite, courses 6 and 8.

56.—Solid Analytic Geometry. *Two hours credit.*

Second Semester.

Prerequisite, course 50 or 50*s*. The course will include a treatment of geometry of space from the analytic standpoint, similar to that of plane analytic geometry.

57.—Differential Equations. *Three hours credit.*

Upon sufficient demand.

Prerequisite, course 52. Ordinary differential equation will be studied in which much attention will be given to applications. The great advantage of the differential equation as a mathematical instrument will be brought out.

58.—Higher Algebra. *Two hours credit.*

Second Semester.

Prerequisite, Analytic Geometry. Number field, number systems; complex numbers; limits; series; cubic and quadratic equations; theory of equations; infinite products; Taylor's theorem; multiple roots.

Methods and Practice.

Professor Lull.
Professor Culter.

1.—Methods in Elementary Instruction. *Three hours credit.*

Not open to students who have credit in Methods in Rural-school Instruction.

Prerequisite: General Psychology, or Elementary Educational Psychology. High-school psychology is not a prerequisite for this course. This is a foundation course for teachers and must be taken as a prerequisite to Kindergarten Technic and Primary Methods. It must also be taken by all students who are candidates for the Life Certificate who expect to teach in the intermediate grammar or junior high-school grades of cities.

A general synopsis of the course follows: *Education as Growth.* Interaction between the child and his environment; the mental adjustments of the child (typical modes); the social efficiency aim of education; the curriculum as an instrument of social efficiency; socializing school procedures; project-problem instruction, the method of socializing instruction; the function of the kindergarten in the socially efficient elementary school.

The function of the subjects of the curriculum in the elementary school: Reading, language, grammar, spelling, writing, arithmetic, geography; elementary science, including the elements of agriculture and social hygiene and sanitation; history and civics, music, industrial arts, and physical training.

2.—Methods in Rural-school Instruction. *Three hours credit.*

Not a prerequisite for Kindergarten Technics or Primary Methods.

Not open to students who have credit in Methods in Elementary Instruction.

The aim of this course is to give the student instruction in how to teach the common branches of the rural-school curriculum. Some of the underlying principles of general methods will be studied, and then their application to specific subjects will be considered. The motivation and specialization of subjects in the country school program and the primary work of the rural schools, such as primary reading, number work, seat work and language work, will receive attention.

50.—Methods in High-school Instruction. *Three hours credit.*

This course is prerequisite to practice teaching in the Junior and Senior High School.

Prerequisite, Educational Psychology, and ninety hours of college credit. A brief introduction dealing with the traditional elements in high-school instruction, aims and practices, the influence of the college upon high-school instruction, the prevailing tendencies of preparatory instruction reappearing in vocational instruction, and preparatory instructional tendencies at the close of the nineteenth century.

The curriculums of junior and senior high schools: The social

core of constants, elective groups, free electives, guidance administration.

Values and methods of inspection in the various branches, including the socialized recitation and supervised study.

A.—KINDERGARTEN DEPARTMENT.

Miss Bingham.
Miss Spears.

1.—Practice Teaching in the Kindergarten I. *Four hours credit.*

Students teach and observe in the kindergarten 2½ hours daily under supervision, prepare written plans, and attend conferences. Each student is responsible for a group of children, and is called upon to take charge of the kindergarten at stated times.

2.—Practice Teaching in Kindergarten II. *Four hours credit.*

Summer Term, and Each Semester.

A continuation of course 1. Students teach and observe in the kindergarten two and one-half hours daily under supervision, prepare written plans and attend conferences. Each student is responsible for a group of children, and is called upon to take charge of the kindergarten at stated times.

3.—Kindergarten Technics. *Three hours credit.*

First Semester.

A study of the activities of young children. An analysis of the common play materials of children as a basis of determining the principles governing the selection and use of materials in the kindergarten. The Froebelian gifts; the principles on which they were planned. Modern adaptations and modifications of these. Practice in the manipulation of materials. A study of methods in the use of materials.

4.—Handwork for the Kindergarten and Primary Grades. *Three hours credit.*

Second Semester.

A study of the principles and methods which give educative value to handwork for young children. The aim is to discuss and use practically materials in which may be found the beginnings of art and of industry, and also materials which meet the constructive instinct as it functions in the play life of the child.

5.—Plays and Games. *Two hours credit.*

Summer Term, and Each Semester.

A study of the different periods in a child's development; the instincts, impulses and natural play activities of each period. The significance of play as a factor in education; its relation to work. A study of different types of games. Selection and adaptation of games for kindergarten and primary use. The actual playing of games.

6.—Kindergarten Theory. *Three hours credit.*

First Semester.

This course aims to give an insight into child nature and its needs as a basis for kindergarten procedure. The work is carried on by means of observation of children in kindergarten and home, by the study of Froebel's "Mother Plays" and of more modern child-study literature. A comparison is made between the kindergarten procedure as developed by Froebel and that of to-day, reconstructed in the light of modern genetic psychology and child study.

7.—KINDERGARTEN PROGRAM. *Three hours credit.*

Second Semester.

Prerequisites, Kindergarten Technics, Handwork, Plays and Games and Kindergarten Theory. The study of kindergarten activities and materials leading to the organization of a kindergarten program. The principles controlling such an organization. Each student will be required to write in outline a year's plan of work for a kindergarten, and will also plan the equipment for a kindergarten.

8.—WEEKLY CONFERENCE. *No credit.*

One hour each week. Required of all kindergarten students. A study of the kindergarten program as it is carried out from week to week in the Normal School Kindergarten, with a discussion of subject matter, materials and methods, and a study of individual children. This course forms the class conference for those doing practice teaching in the kindergarten.

B.—PRIMARY DEPARTMENT.

Professor HARRIS.
Miss GRANT.
Miss GEORGE.

1.—PRIMARY METHODS. *Four hours credit.*

Prerequisite, Methods in Elementary Instruction. The purpose of this course is to offer in lecture form a critical study of methods of presenting the principal subjects of instruction in the lower grades, and to stress habits of work. This work is more extended and definite on the various subjects than is possible in the limited time available in connection with the academic and advanced treatment of the same. The teacher will be led to test methods and to govern the application of the same by laws of the mind. After each subject is completed illustrative lessons will be given with the pupils of the first three grades of the Training School.

(1) *Primary Methods.*—Meaning and purpose.

(2) *Reading.*—Study of methods, past and present. The teacher's problems in connection with "beginning reading" without text. The teacher's problems when using the text. Thought work, including expression, dramatic work, etc. Mechanics, melodic phonics, word study, drills, etc. Lists of the best readers.

(3) *Nature Study and Language.*—Selecting the material for nature study. How used as a foundation for the language work. The purpose of language in the lower grades. The use of the picture poem and story, and correlation with nature work. Mechanics of language.

(4) *Primary Numbers.*—A study of methods, past and present. The teacher's guide in selecting and presenting material. What shall we teach? How? Means of presenting new ideas through use of objects, construction work, etc. Drills, purpose, formal drills, devices, games, etc.

(5) *Geography.*—Its place in the primary course. Life work and map work throughout the lower grades. Home or local geography. Outdoor and field lessons, excursions to shops, etc. The use of sand modeling, posters, stones, pictures, etc., in teaching primary geography.

(6) *Music.*—The two phases of work—rote singing and the mechanics of music. Value and use of each. Tone work, breathing, rhythm, ear training, eye training; analysis of songs, and how to teach them.

2.—Advanced Methods in Primary Instruction. *Three hours credit.*

Each Semester.

Prerequisites: Methods of Elementary Instruction. Primary Methods practice teaching, and at least one year's teaching in public schools. Purpose of the course: To make a study of the methods of teaching some one subject to be presented in the primary grades for the purpose of instruction and of assisting other primary teachers. Plan of the course: (1) Constructive criticism. Observe student teachers in the elementary training school and report in regard to best plans of meeting these teachers and helping them. (2) Visit city schools and note methods used. (3) Read books showing the best methods. (4) Compare methods and select. (5) Outline the talk or explain and write. (6) Make plans for illustrative lessons.

Modern Languages.

Professor Dudley.
Miss Lavery, Instructor.

The equipment of the Department of Modern Languages consists of about seven hundred department books in the library, including a fairly complete list of reference books, a complete set of two hundred twenty volumes of the Deutsche National-Litterateur and a set of the Allgemeine Deutsche Biographie; one philological, one pedagogic and two literary periodicals, a weekly German newspaper, and one French periodical; a wall map of France, two physical maps and one political map of Germany; a wall map of Schiller's Wilhelm Tell; a set of eight Hölzel and Holz pictures for use in free composition and in methods: a spectroscope and several hundred post cards of various parts of Germany and France, and illustrating various phases of life in those countries; an increasing collection of framed prints and photographs, including those of statesmen and writers; Kürschner's Das ist des Deutschen Vaterland; Könnecke's Bilderatlas zur Geschichte der Deutschen National-Litterateur; La France, a finely illustrated geographical description of France in two volumes.

Major and Minor in German. At the discretion of the Faculty of the department, twenty hours of college German may constitute a major for students offering three or four units of credit in high-school German. Not less than twenty-five hours of college German constitutes a major for students offering two units of credit in high-school German. Not less than thirty hours of college German constitutes a major for students offering no entrance credit in German.

Unless a student offers one unit of entrance credit in German he may be required by the Faculty of the department to take twenty hours of college German in order to minor in German.

Not less than ten hours may be submitted in French, in German, and in Spanish.

GERMAN.

1.—Elementary German. *Five hours credit.*

Summer Term, and Each Semester.

No prerequisite in German. Texts: Gohdes and Buschek's Lern- und Lesebuch, 75 pages. Walter Krause's First German Reader,

30 pages. The course includes a scientific study of pronunciation by the application of the principles of phonetics; also reading, practice in memorizing prose and poetry, reproduction, writing from dictation, and free composition based on one Hölzel and Holz picture. The purpose of the course is to lay foundations for reading, speaking and writing the German by giving as much of a feeling for the language as possible. The work is done partly in German.

2.—INTERMEDIATE PROSE. *Five hours credit.*

Summer Term, and Each Semester.

Prerequisite, Elementary German 1, or one unit of high-school German. The texts, Gohdes and Buschek's Lernund Lesebuch and Walter Krause's First German Reader, are completed, and one short story, Gerstäcker's Germelshausen, or a comedy, Fulda's Unter vier Augen, or the equivalent, is read. The drill in pronunciation, memorizing, free reproduction of simple German, and writing from dictation begun in Elementary German 1 is continued throughout this course. The work is done partly in German.

3.—SHORT STORIES. *Five hours credit.*

Summer Term, and Each Semester.

Prerequisities, courses 1 and 2, or two units of high-school German. The purpose of this course is (1) to give the students practice in reading interesting prose of intermediate difficulty, (2) to review nouns, pronouns, and adjectives, and (3) to give practice in writing German by means of exercises based on the texts read. About 140 pages are read from the following texts or their equivalent: Storm's Immensee, Wildenbruch's das edle Blut, or Baumbach's der Schwiegersohn, and Keller's das Fäbnlein der sieben Aufrechten. The work is done partly in German.

4.—INTRODUCTORY CLASSICS. *Five hours credit.*

Summer Term, and Each Semester.

Prerequisites, courses 1, 2 and 3, or three units of high-school German. In this course two or three selections are made from the following texts: Schiller's Wilhelm Tell, die Jungfrau von Orleans, Maria Stuart, Lyrics und Ballads, Lessing's Minna von Barnhelm, Goethe's Hermann und Dorothea. In addition to the texts read, verbs are reviewed thoroughly, and one day in the week is devoted to prose composition. The work is done partly in German.

5.—INTERMEDIATE PROSE COMPOSITION. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, course 4, or its equivalent. The texts used are Thomas's A Practical German Grammar and Pope's Writing and Speaking German. In connection with the composition exercises in Pope, the principles of the grammar are reviewed by the use of the Thomas Grammar.

6.—ORAL COMPOSITION. *Two hours credit.*

Second Semester.

Prerequisite, course 4. Text, Boezinger's Mündliche und schriftliche übungen. In addition to the text the students are required to commit to memory and give publicly a short German comedy. No written work is required, and the work is done in German except the stage drill in connection with the comedy.

8.—GOETHE. *Three hours credit.*

First or Second Semester.

Prerequisite, course 5. The course consists of the study of Goethe's life, with such attention to literary and social conditions of his

time in Germany as is necessary to an understanding of the author and his works. Two of his dramas, such as Egmont and Iphigenie auf Tauris, are read, also selections from his lyrics, or from Dichtung and Wahrheit. Students are required to write a term theme on some phase of the work. (Dudley.)

9.—LESSING. *Three hours credt.*

Summer Term, and First or Second Semester.

Prerequisite, course 5. The same general method is pursued as in course 8. In connection with the works read, lectures are given by the instructor on the drama in Germany before Lessing, and also on Lessing's work as a critic. (Dudley.)

50.—NINETEENTH CENTURY FICTION. *Three hours credit.*

First Semester.

Prerequisite, courses 5 and 8, or 9 or 10. The aim of this and the following course is to introduce the students to the men and movements which have had a determining influence in the shaping of modern German literature. Kleist, Eichendorff, Keller, Meyer, Fontane, Rosegger and Sudermann are studied in representative works. (Dudley.)

51.—NINETEENTH CENTURY DRAMA. *Three hours credit.*

Second Semester.

Prerequisite, courses 5 and 8, or 9 or 10. Witkowski's German Dramatists of the Nineteenth Century is used in connection with dramas read from Kleist, Grillparzer, Hebbel, Ludwig, Hauptmann, and Sudermann. Much of the work is done in German. (Dudley.)

53.—HISTORY OF GERMAN LITERATURE I. *Two hours credit.*

On sufficient demand.

Prerequisite, course 50, 51 or 52. Texts: Thomas's History of German Literature and his German Anthology. Ten chapters in the History and 280 pages in the Anthology are included in this course, with lectures by the instructor and papers on important phases of the work by members of the class. (Dudley.)

54.—HISTORY OF GERMAN LITERATURE II. *Two hours credit.*

On sufficient demand.

Prerequisite, course 50 or 51. The course begins with the seventeenth century and ends with the close of the nineteenth. The texts begun in course 53 are finished in this course, and in addition to the Anthology selections are read from the principal writers of the nineteenth century. (Dudley.)

55.—PHONETICS. *One hour credit.*

Summer Term, and on sufficient demand.

Open to students by consent of the instructor. The course consists of a careful study of the organs of speech by means of plates, casts, and stereoscopic views; the study of the formation of German speech sounds from the point of view of the organs of speech, and the phenomena of the sounds themselves; the classification of the sounds according to their position and formation; the practical application of the principles studied by means of reading, and the study of sentence stress, or accent. (Dudley.)

FRENCH.

The equipment for the study of French has been included in the description given for the department.

MAJOR AND MINOR IN FRENCH. A major in French will consist of not less than twenty hours of college French, not including Elementary French; a minor of not less than fifteen, at the discretion of the head of

the department. The work in the various courses will be done as much in French as is consistent with giving the necessary content to the courses. A double major of French and Spanish or of French and German may be taken by electing the forty-five hours allowed for credit in the Modern Language group.

1.—ELEMENTARY FRENCH. *Five hours credit.*

Summer Term, and Each Semester.

Texts: Fraser and Squair, Shorter French Course to Lesson XXXIX; Aldrich and Foster's French Reader, 75 pages. The pronunciation is taught carefully in connection with the phonetic transcription of the French words, and there is constant drill in correctly placing and forming the sounds. Dictation, reproduction and writing original sentences in French are a part of the work during the entire semester. No prerequisite in French.

2.—INTERMEDIATE FRENCH. *Five hours credit.*

Each Semester.

Prerequisite, Elementary French, or one unit of high-school French. Fraser and Squair, Shorter French Course, completed; Aldrich and Foster, French Reader, completed. Two short classics, such as Moinaux; Les deux Sourds, and Gervais; Un Cas de Conscience, are read. Drill in pronunciation and reading, also the dictation and reproduction, are continued in this course. A few poems are committed to memory.

3.—ADVANCED FRENCH I. *Five hours credit.*

First Semester.

Prerequisite, Intermediate French or its equivalent. About 250 pages of modern French will be read, selected from the following texts: Sand's La Mare au Diable, Augier's Le Gendre M. Poirier, Daudet's La Belle Nivernaise, Lamartine Jeanne d'Arc, Musset's Pierre et Camille, Scribe's Un Verre d'Eau. Dictation and reproduction of passages read in the French will be continued, and a verb review will be given in connection with François: Alternate Exercises for Introductory French Prose Composition, Part I. Phonetic drill is continued.

4.—ADVANCED FRENCH II. *Five hours credit.*

Summer Term.

Prerequisite, course 3 or its equivalent. About 350 pages will be read, selected from the following: France's Le Livre de Mon Ami, Balzac's Eugenie Grandet, Gautier's Jettatura, Hugo's Bug Jargal, Loti's Pecheur d'Islande, Dumas's La Question d'Argent. The work of course 3 will be continued, and François Prose Composition will be finished.

5.—FRENCH COMPOSITION I. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisite, French IV or its equivalent. This course is designed especially for students preparing to be teachers and is conducted in French. Based on texts dealing with common things and with everyday life, it aims to build up a practical vocabulary. The work in the texts is supplemented by dictation, and simple oral themes or assigned topics are required from each member of the class each week.

6.—MODERN FRENCH DRAMA. *Three hours credit.*

Summer Term.

Prerequisite, one year of college French. About 200 pages are read, selected from the following dramas: Augier's Le Gendre de

M. Porier, Labiclie et Martin's Pondre aux Yeux, Sandeau's Mlle. de la Seigliere, Scribe's Nu Verre d'Eau. Irregular verbs are studied in connection with the dramas read.

7.—French Composition II. *Two hours credit.*

On sufficient demand.

Prerequisite, French 4 or its equivalent. Koren's French composition is used as a basis for the course. The French exercises are committed to memory to give familiarity with idioms and style. Besides the translation of English exercises into French, French themes are required of the students for practice in free composition.

51.—Advanced French Composition. *Two hours credit.*

On sufficient demand.

Prerequisite, French 50. This course continues the work of the preceding and forms with it a year of composition work.

52.—Earlier French Dramatists. *Three hours credit.*

On sufficient demand.

Prerequisite, French 4 or its equivalent. Works of Molière, Corneille and Racine and others are read and their structure studied, and the members of the class are required to do collateral reading and make reports on themes which give them the social and historical setting for the plays read.

53.—French Romanticism. *Three hours credit.*

On sufficient demand.

Prerequisite, French 50. The origin and development of Romanticism in France is studied, together with the reading of selections from the leading French romanticists.

54.—Survey of French Literature. *Three hours credit.*

On sufficient demand.

Prerequisite, French 6. The course is based on Fortier's Histoire de la Litterature Francaise. Reports and themes based on collateral reading form a part of the work each week.

55.—The Teaching of High-school French. *Four hours credit.*

On sufficient demand.

Open by permission of the instructor. The state text in French grammar is reviewed and discussed, and texts recommended by the State Committee are read outside of class and reports made on them. The formation of French sounds is studied in connection with the phonetic script. Reports are made on the aims and methods of teaching high-school French based on collateral reading, and a course in high-school French is outlined. A bibliography of reference books concerning France and the French language is given by the instructor. The student is required to observe and teach, as the instructor requires, a beginning class in high-school French, and to work out lesson plans.

SPANISH.

1.—Elementary Spanish. *Five hours credit.*

Summer Term, and Each Semester.

Conversation, composition, grammar, and easy readings. Texts: Hall's All Spanish Method and De Vitis' Spanish Grammar.

2.—Intermediate Spanish. *Five hours credit.*

First Semester.

Prerequisite, course 1. Grammar, conversation, reading, and

composition. Texts: De Vitis' Spanish Grammar and Spanish Reader.

3.—MODERN SPANISH LITERATURE. *Three hours credit.*

First Semester.

Prerequisite, course 2. One hundred and fifty pages of fiction and drama are read, selections being made from the following authors: Alarcón, Besquer, Pereda, Valera, Palacio, and Valdés.

4.—SPANISH COMPOSITION. *Two hours credit.*

Each Semester.

Prerequisite, course 3; may be accompanied by course 5. Training in writing and speaking Spanish. Texts: Ramsey's Textbook of Modern Spanish, and Espinosa's Advanced Spanish Composition and Conversation.

5.—ADVANCED SPANISH LITERATURE. *Three hours credit.*

Prerequisite, course 3; may be accompanied by course 4. In this course 250 pages of prose and poetry are read from writers of the eighteenth and nineteenth centuries.

50.—TEACHING OF HIGH-SCHOOL SPANISH. *Two hours credit.*

Summer Term, and First Semester.

Students admitted at discretion of Modern Language Department. This course consists of the study of the latest methods in teaching of modern languages; of the organization of a course of study based on the textbooks recommended by the state; of reports on the manners and customs of people living in Spanish-speaking countries; and of as much drill in conversation and grammar as the time of the course will allow.

Music.

FRANK A. BEACH, Director Normal School of Music, Professor of Voice, Theory and Public-school Music.
ADA BAUM, Piano, and Music Appreciation.
ROSALIE BRIGHAM, Piano and Voice, High-school Students.
GERTRUDE GAMBLE, Public-school Music, Theory.
MARCELLUS C. GRADY, Wind Instruments and Band.
EVALINE M. HARTLEY, Voice Training, History of Music.
GLADYS HAWKINS, Piano, and Intermediate Methods in Piano.
GEORGE KEENAN, Stringed Instruments and Orchestra.
HARRIET PRUTSMAN, Piano Accompanying and Theory.
E. ANNA STONE, Piano for Children, Juvenile Methods.
CATHERINE STROUSE, Supervisor in Training School; Methods.

PUBLIC-SCHOOL MUSIC.

The demand for supervisors of public-school music in its various phases who are also thoroughly equipped along academic lines has led to the organization of a four years' college course of study which has music for its major. Upon its completion graduates may teach, in addition to high-school music, any other high-school subject for which they are prepared. The degree of Bachelor of Science in Music conferred.

In addition to the academic work deemed essential for a proper general equipment, there is offered for teachers and supervisors of music specific training in sight singing, ensemble practice, elementary harmony and ear training; courses in the appreciation of music, both for the development of the individual and for teaching purposes; definite experience in the planning of outlines for the various grades and high school, as a part of the course in public-school music methods; instruc-

tion in individual voice production and singing, as well as in the care and development of children's voices; actual practice in conducting chorus and orchestra, and practice teaching of classes of children in the Training Schools under the criticism of a supervisor of wide preparation and experience.

Courses are offered in voice, piano, pipe organ, violin, stringed and wind instruments, including theory and history of music, music appreciation, musical analysis, methods, and practice teaching.

Students who wish to complete any of the above-named branches may receive a general academic equipment, a thorough preparation for the profession of teaching, specific training in music, and proficiency in public performance. Those students who can spend only a part of their time in the study of music may take up special work suited to their needs and attainments, thereby increasing their efficiency as teachers in the public schools.

The work of the year is interspersed with public recitals and concerts given by pupils and members of the teaching staff. A number of organizations are also maintained by the department. Two orchestras, a band, men's and women's glee clubs, the Treble Clef Club, and the Musical Art Society are organizations free to students who can derive benefit therefrom. The Choral Union—the all-school chorus for which credit is allowed to non-music students—affords opportunity for study of the oratorios and large secular compositions. (See course 14.)

Credit is allowed for all work satisfactorily completed in class recitation, as stated after each course. Students enrolling in individual instruction—piano, voice, or violin—will be granted credit applicable as an elective toward any certificate and upon the degree Bachelor of Science in Music, on the basis of one hour of credit for eighteen lessons with the necessary preparation for each lesson.

SPECIAL LESSONS IN PLAYING AND SINGING.

These have for their object attainment of practical ability without emphasis on technical skill. This work is open to students after a conference with the Director. It carries no credit and requires but a limited amount of preparation.

CLASS LESSONS.

Class instruction in voice, piano and violin, carrying no credit, is open without fee to students of elementary grade who have not been enrolled in private study in schools of music.

Several courses, which are both cultural and practical, are offered to prepare the prospective teacher and principal to mold the taste of his school and community along musical lines.

All certificates and diplomas issued in music will be found listed on pages 53 and 109.

PUBLIC-SCHOOL MUSIC COURSES.

Courses 1, 2, 3, 9, 9*a*, 14, 16, 17, 18, 29 and 30 apply as elective on any certificate and the degree Bachelor of Science in Music. They do not apply on the degree Bachelor of Science in Education.

1.—Elementary Sight Singing. *Two hours credit.*

Each Semester.

Deals with the elements of music, rote singing, the facts of time and tune, with their staff representation, leading to the reading of one-part music.

2.—Intermediate Sight Singing. *Two hours credit.*

Second Semester.

This course is designed to succeed 1.

3.—Advanced Sight Singing. *Two hours credit.*

Second Semester.

Prerequisite, Intermediate Sight Singing.

Sight reading in three and four parts.

4.—Kindergarten and Primary Music Instruction. *Two hours credit.*

Summer Term, and Each Semester.

First semester for music students only; second semester for special proficiency candidates only.

Students electing music for the Certificate for Special Proficiency in Kindergarten or Primary Teaching should take this course together with 1, or piano.

5.—Grade and Junior High-school Music Instruction. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 2, or equivalent. An outline of the work of the various grades, choice and use of material, voices and interpretation.

6.—High-school Music Instruction. *Two hours credit.*

This course deals with the methods of presenting the subjects as regularly taught in a high school offering music as an accredited subject. They are as follows: Notation, Melody Writing, Elementary Harmony and Part Writing, Advanced Harmony, Music History and Appreciation, and Chorus Conducting.

8.—Rural-school Teachers' Course. *Three hours credit.*

Summer Term, and Each Semester.

This course deals with the subject matter and methods of public-school music for ungraded and small schools in third-class cities. Drill in rhythm, intervals and individual singing are included. Students electing music for Certificate for Special Proficiency in Rural-school Teaching should take this course.

9.—Community Music and Chorus Conducting I. *One hour credit.*

This includes the problems of classifying voices, effective arrangement of parts, selection of material, correct use of baton, and the securing of variation in tempo and dynamics.

9*a*.—Orchestra Study and Conducting II. *One hour credit.*

A study of the instruments of the orchestra; the possibilities of the high-school orchestra; bibliography of material and practical conducting.

10.—Music Material I, including Chorus Singing I and Conducting. *One hour credit.*

Each Semester.

A course dealing with the selections and use of sacred and secular music of the various vocal types and bibliography of scores, and a critical analysis of musical content. Required of all music students and members of music organizations.

10*a*.—Musical Material II, including Chorus Singing and Conducting. *One hour credit.*

Credit is allowed nonmusic students only.

11.—Music Appreciation for Beginners. *One hour credit.*

Open to nonmusic students or those who are not specializing in music. The purpose of the class is to acquaint students with standard vocal and instrumental compositions and enable them to listen with discrimination. Students are afforded opportunity for laboratory study of phonograph records and pianola rolls. Current musical events.

12.—Music History and Appreciation I. *Two hours credit.*

Summer Term, and First Semester.

Designed for prospective teachers and supervisors. The course deals with the development of music, and is based upon a standard text, illustrated by records and rolls for the mechanical players and special numbers furnished by students and faculty.

13.—Music History and Appreciation II. *Two hours credit.*

Second Semester.

Prerequisite, Music History and Appreciation I. Continuance of the previous course. As a protection against damage to records a small laboratory fee is required.

14.—Technique of Opera. *Two hours credit.*

First Semester.

A practical study of the various vocal forms, including chant, anthem, cantata, oratorio, and opera. Open to advanced students or especially qualified underclassmen.

15.—Instrumental Ensemble. *One hour credit.*

Practical work in string quartet, orchestra and wind instruments.

16.—Intermediate Solfeggio. *Two hours credit.*

Prerequisite, Advanced Sight Singing.

17.—Advanced Solfeggio. *Two hours credit.*

Drill in advanced and rapid sight reading. Prerequisite, Intermediate Solfeggio.

18.—Solfeggio Review. *No credit.*

Prerequisite, Advanced Solfeggio.

THEORY, HISTORY AND ANALYSIS OF MUSIC.

19.—Elementary Harmony I and Ear Training. *Two hours credit.*

(Prerequisite for Harmony II.) Notation, writing of major and minor scales, intervals, triads and inversions, simple cadences. All applied to keyboard. Ear training and recognition of melodies containing all the common rhythmic types and figures. Various kinds of measure. Hearing intervals, triads and inversions and simple cadences.

20.—Elementary Harmony II. *Two hours credit.*

Each Semester.

Four-part writing, harmony depending on melody, including use of primary triads and inversions, dominant seventh chords and inversions, in major and minor keys, close and dispersed harmony. Special emphasis is laid upon ear training and keyboard work.

21.—Intermediate Harmony. *Two hours credit.*

Second Semester.

(Continuation of Harmony II.) Four-part writing, harmony depending on melody, including use of primary and secondary triads and their inversions, dominant seventh, dominant ninth, leading tone seventh and diminished seventh chords and their inversions in major and minor keys. Close and dispersed harmony. Preparation for modulations.

22.—Advanced Harmony. *Two hours credit.*

Four-part writing, harmony depending on melody. Harmonizing original melodies. Further use of chords already introduced in Harmony I and II, and also secondary seventh chords, altered chords, mixed chords, chromatic passing tones, suspensions, organ point. A thorough study of modulations, including modulation through the diminished seventh chord in its various interpretations, using enharmonic changes. Also through the dominant seventh chords.

24.—Harmonic Analysis and Form. *Two hours credit.*

Analysis of four-part compositions; modulations at the piano. Keyboard demonstration in figured basses, cadences and modulations.

Note.—The above work is planned for supervisors' training courses as especially adapted for high-school music methods.

25.—Counterpoint and Composition I. *Two hours credit.*

First Semester.

Counterpoint applies the principles of harmony to the melodious treatment of the several voice parts in combination. The study of this subject naturally follows that of harmony and develops the contrapuntal facility necessary to all forms of composition. The work includes strict counterpoint; the various orders of modern counterpoint; double and triple counterpoint.

26.—Counterpoint and Composition II. *Two hours credit.*

Second Semester.

Counterpoint in five or more parts; vocal counterpoint analysis; exercises in free composition.

27.—History of Music I. *Two hours credit.*

First Semester.

The course includes the growth of music from ancient to modern times; the history of early church music; the development of musical forms, sacred and secular, and instruments; and the polyphonic era. Required of students in applied music.

28.—History of Music II. *Two hours credit.*

Second Semester.

Modern music and musicians; biographies and the works of the great composers of the classic, romantic and modern schools. The history of the opera, oratorio, symphony, and various other forms are studied in detail.

29.—Elementary Piano Methods. *No credit.*

Second Semester.

A special course for students preparing themselves as teachers. The work embraces lectures on methods and materials for teaching beginners; papers and discussion by students. Practice teaching.

30.—Advanced Piano Methods. *No credit.*

A continuation of the preceding course, dealing with methods and material for intermediate students.

31.—Voice Methods I. *No credit.*

32.—Voice Methods II. *No credit.*

33.—Violin Methods I. *No credit.*

34.—Violin Methods II. *No credit.*

35.—Ensemble Playing or Singing I. *One hour credit.*

Required throughout the year of piano certificate students, without credit.

Time to be assigned by the instructor.

Ensemble playing classes in piano and violin meet regularly for the study of concerted music. Four- and eight-hand music and chamber music for stringed instruments form the basis of the work. This practice enables the pupil to become acquainted with many masterpieces and to receive training in sight reading and accompanying.

Credit for orchestra and band is allowed to students who are regularly enrolled.

36.—Ensemble Playing or Singing II. *One hour credit.*

Required throughout the year of piano certificate students, without credit.

Advanced ensemble playing; continuation of course I.

Time to be assigned by the instructor.

PIANO.

It is impossible to set down a list of studies to be strictly adhered to, as the needs of the individual pupil must be consulted and the studies varied accordingly. Moreover, new works are constantly being published. These are carefully examined and those of value are used in the course. However, an idea of the work covered in the different years may be obtained from the following:

ELEMENTARY GRADES.

Lambert Pianoforte Method, Lebert and Stark Book One, Crosby-Adams, Burgmüller Op. 100, Loeschhorn, Stamaty, Lemoine, Whiting pedal studies, Bertini, Heller, Preyer Op. 44; sonatinas by Clementi, Kuhlau, Dussek. Major, minor and chromatic scales. Chords of key. and inversions.

Note.—The above corresponds to grades one to six of standard course adopted by the Kansas State Music Teachers' Association.

Students who bring satisfactory statement from previous instructors for the above will be admitted to the intermediate course.

FIRST YEAR, INTERMEDIATE.

Technical exercises, scales, arpeggios, octaves. Studies by Arthur Foote, Heller fifty selected studies, Bertini selected studies, Behrens school of velocity. Sight playing.

SECOND YEAR, ADVANCED.

Czerny Op. 299, Kullak octave studies. Heller Op. 16, Loeschhorn Op. 67. Continued study of scales, chords, arpeggios. Easier sonatas by Haydn and Mozart. Ensemble playing.

THIRD YEAR, CERTIFICATE COURSE.

Cramer, Henselt, Bach, Heinze Album, Bach two- and three-voiced inventions. Sonatas by Mozart, Beethoven and Grieg. Selections from Chopin, Schumann, Moskowski, MacDowell.

DIPLOMA COURSE.

Czerny Op. 740, Moscheles Studies continued, Study of Bach and Beethoven. Selections from Liszt, Chopin, De Bussy and Brahms. Concerto study.

VOICE.

In no field of music teaching is there greater need for a definiteness which will enable a student to recognize the reasons for and the value of the instruction given than in the field of singing.

In the treatment of voices particular stress is laid upon a proper breath control; independent free action of the jaw, tongue and other vocal organs; the elimination of the so-called breaks in the voice; the development of self-confidence through the establishment of a proper level in tone production (as opposed to the customary notion of mental and vocal adjustment of "high" and "low" tones); the establishment of distinct enunciation, and the development of artistic and individual power of interpretation. In brief, the aim of the instruction given is to secure ease in singing, naturalness in enunciation, and intelligent expression.

The course of instruction has a psychological basis, and a student is enabled to overcome incorrect habits through conscious repetition of specially adapted exercises. The mode of procedure is positive, rather than negative. Having in mind that many of our graduates will be charged with the care of the voices of children and adults, the instructors in the department aim to give the student an understanding of his progress without inducing self-consciousness, and at the close of the period of study a careful analysis of the ground that has been covered.

Contrary to the commonly accepted idea, not a few but the majority may cultivate the art of singing. Persons of average ability with wisely directed training are more likely to make practical use of their gift than those favored with unusual voices but who ignore the value of proper care and training.

An important phase of this individual work deals with the correction of certain vocal defects, and with training which will secure quality and carrying power in the speaking voice through the employment of the high-chest, intercostal breathing of singers, proper voice emission and distinct enunciation.

PREPARATORY GRADE.

Fundamental principles of voice building; correct poise with proper breathing; blended scale; diction; stage deportment; sight reading and simple songs in English; Sieder 8-measure Vocalises, Marchesi Opus 2. Beginning piano.

INTERMEDIATE GRADE.

Studies for enunciation, rhythm and phrasing; acoustics; sight reading and diction. Exercises for attack, legato and staccato; solfeggio and ensemble practice; vocalises by Concone, Panofka, Lütgen and Shake-

speare; ballads and songs by present-day composers in English. Public appearance; piano.

CERTIFICATE GRADE.

Vocalises by Marchesi, Op. 3; studies by Panofka, Op. 8; Vaccai; Henneman 101 Master Exercises; shade and tone color; continued studies in enunciation; artistic interpretation; selections from the works of American, English, German or Italian writers in the vernacular; joint recital with one other student of equal grade. Accompanying.

DIPLOMA GRADE.

Advanced work in technical studies for phrasing; development of natural style and cultivation of dramatic expression; enunciation; at least four complete major oratorios; six selections from the standard operas in the vernacular; twenty English, French and German classics in the vernacular; practical work in musical pedagogy; full public recital; advanced accompaniments.

VIOLIN.

ELEMENTARY GRADE.

Careful study in holding the violin, position of the body, placing of fingers in different keys; fundamental principles of bowing. Schools and studies by Wohlfahrt, Hermann, Blumenstengel, Laoureux, de Beriot, Dancla, Kayser, and Wilhelmj-Brown. Violin duets by Mazas and Pleyel. Scale studies in all keys, varied fingering and simple bowing; arpeggio forms in first and third positions; small classical solos with piano accompaniments. Class in sight reading.

INTERMEDIATE GRADE.

(Outlined for high-school pupils and adult beginners.)

Scales and arpeggi in three octaves by Ysaye and Cesar Thomson. Studies by Kayser, Schradieck, Kreutzer and Siorello. Sonatas by Corelli, Handel, and Beethoven. Concertos and soli: Beethoven; Two Romances, Vieuxtemps; Morceaux de Salon, Wieniawski; mazurkas and concertos by Viotti, Mozart, Kreutzer, Rode, and de Beriot. Orchestral class.

CERTIFICATE GRADE.

Advanced scale work in thirds, sixths and octaves by Cesar Thomson. (These scales are not in print, but are given from manuscript.) Advanced studies by Kreutzer, Fiorello, Rode, Gavinies, and Wieniawski. Bach sonatas for violin alone. Concertos by Mendelssohn, Bruch, Beethoven, Bach (E major), Wieniawski (D minor), Soli by Wieniawski (Polonaises in A and D, Souvenir de Moscow), Scherzo-tarentelle, Sarasate and Saint-Saëns. Sonatas by Beethoven, Cesar Franck, Grieg and Brahms.

DIPLOMA GRADE.

Scales and arpeggi in three octaves. Studies by Rode and Gavinies. Concertos and solos; Spohr, Bach, Viotti (22d), Kreutzer (19th), Rode (10th), de Beriot (7th); Solos by Hubay. Orchestral and ensemble classes.

BRASS INSTRUMENTS.

Excellent opportunity, under a trained instructor, is offered to students who wish to learn to play brass instruments and instruments of the wood-wind group. Students who have played instruments of any sort should not fail to bring these with them, even though they have no expectation of studying. The orchestra and Normal band offer opportunities for both pleasure and service to all musical students, whether enrolled in the School of Music or the Normal proper.

FEES AND EXPENSES.

The fees for instruction have been placed at the lowest limit of actual cost for the quality of instruction offered. In private studios the teachers of the School receive double and sometimes treble the tuition rates herein made by the School.

RATES OF TUITION.

A term of music carrying one hour of credit consists of eighteen lessons, two lessons per week for nine weeks, or a half semester.

For a half term of lessons, or one lesson per week, the rate is one-half the tuition for a term plus one dollar.

For a term of eighteen lessons the fees are:

PIANO.

Juvenile course (for children)	$9.00
Advanced course (for children)	10.50
Elementary grade (for high-school pupils)	10.50
Class work in piano	4.50
With student assistant	9.00
Preparatory-certificate grade (adult beginners)	13.50
Intermediate-certificate grade	15.00
Certificate grade	18.00
Diploma grade	18.00
Postgraduate work	24.00
Accompanying	15.00

VOICE.

Preparatory grade	$13.50
Intermediate grade	15.00
Advanced grades	18.00
With student assistant	9.00
Special training for the speaking voice	18.00
Postgraduate	24.00

VIOLIN AND STRINGED INSTRUMENTS.

Juvenile course (in class or with assistants)	$9.00
Preparatory grade	13.50
Intermediate grade	15.00
Advanced grades	18.00
Postgraduate	24.00

THEORY AND HISTORY OF MUSIC.

Harmony, in class	$0.00
History of music, in class	.....
Counterpoint and composition, in class	5.00
Music appreciation	.....
Private lessons in any of the above courses	10.00
Normal piano methods for certificate and diploma grades	5.00
Special methods (not otherwise listed)	25.00

INSTRUMENTS.

Band and orchestral instruments ..... $9.00 to $18.00

COACHING.

Sight singing and ear training (with student assistant), per lesson, $0.25
Harmony and counterpoint (with student assistant), per lesson.. .33

RENT OF INSTRUMENTS.

One hour a day for a term of nine weeks. Two or more hours at the same rate:

Piano (55 hours at 3 cents per hour)..... $1.65

The Public-school Music courses are free to any student regularly registered.

Lessons in piano, voice and violin are theoretically half-hour periods; where necessary for the passing to and from the classes the actual time may be twenty-five minutes.

A limited number of free and partial scholarships, it is expected, will be available for talented students who are unable to pay regular rates. These will be granted at the beginning of the year upon written application and examination.

All tuition is payable strictly in advance, at the beginning of each term. Work in this department is suspended on legal and school holidays, as given in the calendar of this catalogue. Students may enter at any time. It is best to enroll at the beginning of a term. All lessons lost by absence or tardiness of the pupil will be the pupil's loss, unless reasonable previous notice of the expected absence is given, in which case the lesson will be made up within the term only. Students must complete a full term of lessons or class work in order to receive a grade for the work. Students leaving or discontinuing lessons during the term time forfeit all payments, except in case of protracted illness, in which case the balance will be allowed upon a subsequent term, or half the loss will be borne by the department. All students who wish to take up work in this department must receive an assignment card from the Director of Music. This card must be stamped by the Registrar and Bursar, presented to the instructor for signature, and returned to the office of the Director of the Department.

Substitution for certain subjects will be allowed upon application to the Director in cases where it is plainly evident that the students' efficiency will be increased by such change.

CREDIT.

Credit is allowed in applied music for work done in known institutions or under private teachers, after registration and satisfactory progress has been made in the subject in which credit is desired.

Students registered in the department are permitted to sing or play in public only upon recommendation from the instructor and permission from the office. Teachers will coöperate in preparing for public performance all students who will be a credit to themselves and to the school.

CURRICULUM LEADING TO TEACHER'S CERTIFICATE IN APPLIED MUSIC.

(PIANO, VOICE, VIOLIN.)

Prerequisite, intermediate and advanced work in major subject (including Elementary Harmony I and II for piano students).

THIRD YEAR.

First Semester.	Second Semester.
Applied Music, 2 hours.	Applied Music, 2 hours.
Harmony III, 2 hours.	History of Music II, 2 hours.
History of Music I, 2 hours.	Normal Methods II (in major subject, including 2 hours of practice teaching), 2 hours.
Normal Methods in major subject (including 2 hours practice teaching), 1 hour.	Individual Recital.

CURRICULUM LEADING TO DIPLOMA IN APPLIED MUSIC.

Prerequisite, certificate requirements, as outlined above.

FOURTH YEAR.

First Semester.	Second Semester.
Applied Music, 2 hours.	Applied Music, 2 hours.
Counterpoint and Composition I, 2 hours.	Counterpoint and Composition II, 2 hours.
Advanced Practice Teaching.	Advanced Practice Teaching.
Ensemble Playing.	Concerto with Orchestra Accompaniment.
Individual Recital.	

All electives in music are to be selected with the approval of the Director of the School of Music.

Candidates for the diploma in piano or violin shall offer fifteen hours of college work, at least ten of which shall be in English.

Candidates for diploma in voice shall offer not less than twenty-five hours college work, of which not less than ten in English and ten in modern foreign languages.

All students enrolled for private study, class work, or in any musical organization are required to attend chorus and rehearsals.

ENTRANCE REQUIREMENTS.

For entrance to all curricula candidate must be a graduate of an accredited high school in Kansas, and submit transcript of record; if he be from another state, that he is a graduate of a high school accredited in the state from which he comes. Write the Registrar for blanks.

For entrance to any vocal curriculum leading to a degree or a diploma the candidate for admission shall furnish proof that he has completed grades one and two of the high-school vocal course of study, and grades one and two of the high-school piano course of study (or their equivalents) as outlined by the Kansas State Music Teachers' Association.

For entrance to any violin curriculum leading to a degree or a diploma, the candidate for admission shall furnish proof that he has completed grades one to six, inclusive, of the high-school violin course (or its equivalent) as outlined by the Kansas State Music Teachers' Association.

For entrance to any piano or organ curriculum leading to a degree or a diploma, the candidate for admission shall furnish proof that he has completed grades one to six, inclusive, of the high-school piano course of study (or its equivalent) as outlined by the Kansas State Music Teachers' Association.

Requirements in music for entrance to any curriculum leading to a certificate shall be the same as those curricula leading to a degree or a diploma.

Students who enter without the full requirements as scheduled above will be required to complete such work in the elementary courses offered in the high school.

CERTIFICATES AND DIPLOMAS.

A certificate to teach music in the elementary school and high school and the degree of Bachelor of Science in Music are given upon the completion of curricula covering two and four years, respectively. For requirements see pages 53 and 45.

All applicants for any of these certificates or diplomas should select their courses with the Faculty Adviser for music courses, the Director of the School of Music.

General Pedagogy Group.

Professor TRIPLETT.
Professor LULL.
Professor CULTER.
Professor CAROTHERS.
Professor HARRIS.
Mr. SMITH, Instructor.
Miss BINGHAM, Instructor.

PEDAGOGY SEMINAR. *One hour credit.*

Summer Term, and Each Semester.

The class will meet for a double recitation period once in two weeks. A course in research for advanced students, conducted by all the instructors giving work in general pedagogy. Problems in educational and clinical psychology, school administration, city and rural, history and principles of education, are studied. To be taken only on consultation with the men in the department. This course is the outgrowth of what has been known as "The Psychology Club."

PSYCHOLOGY AND PHILOSOPHY.

Professor TRIPLETT.

PSYCHOLOGY.

1.—GENERAL PSYCHOLOGY. *Three hours credit.*

Summer Term, and Each Semester.

A systematic treatment is given with some attempt at pedagogical application. Some experimental work in the line of illustration, a number of class experiments, and special topics for individual study and report are given.

2.—ELEMENTARY EDUCATIONAL PSYCHOLOGY. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, High-school Psychology. This course is not open to students who have taken General Psychology. The course deals with the psychology of the learning process of school children.

3.—CHILD PSYCHOLOGY. *Two hours credit.*

Each Semester.

Course 1 or 2 is a prerequisite. Treats generally of the mental development of children, aiming to give a point of view. Seeks to give a knowledge of the nature and needs of the child at the different periods of his growth. Direct observations are made and various investigations studied.

4.—Genetic Psychology I. *Two hours credit.*

First Semester.

Prerequisite, course 1 or 2. In this course a study of the behavior of animals is made, and comparisons drawn with human activity, especially that of children. All psychology is becoming genetic and functional in character, and a proper study of life activities of any kind, and especially those bearing upon education, must take into account this development phase of the subject. Given in alternate years.

6.—Social Psychology. *Two hours credit.*

Second Semester.

Prerequisite, course 1 or 2. A study of those interests and instinctive tendencies of the mind that are the result of the community life of the race. It is meant to throw light on the nature of society and to give a basis for a more truly social pedagogy. This course may be taken as a part of six additional hours in professional requirements.

50.—Psychology of Religion. *Two hours credit.*

On sufficient demand.

Prerequisite, course 1 or 2. A study of the psychological phases of religion, with the aim of improving the quality of religious pedagogy, particularly in high school, in Sunday school, and in missionary work. This course may be taken as a part of the six additional hours in professional requirements.

52.—Educational Psychology. *Three hours credit.*

Summer Term, and Second Semester.

Prerequisite, course 1 or 2. In this course important topics in psychology are treated in their educational aspects. Many of these—of the utmost value for the teacher—such, for instance, as the learning process, economical methods of memorizing and making associations, the education of the senses, intelligence tests, etc., have little or no space in the ordinary textbooks. Each student also, as a special study, is required to deal with the psychology of some subject in the curriculum, as the psychology of spelling, of reading, of arithmetic, and the like.

53.—Psychology of Adolescence. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, course 1 or 2. A study of the important physical, mental and moral changes which are natural to adolescence. Given with the aim of laying a foundation for the pedagogy of secondary instruction.

55.—Clinical and Abnormal Psychology. *Two hours credit.*

First Semester.

Prerequisite, course 1 or 2. A study which includes disturbances and defects of personality. A study of the arrested and the dull, the gifted and the genius. Attention is given also to the psychology of capacities and the Binet measuring scale of intelligence and other mental tests. The various phases of the psychology of tension and catharsis, the methods of psycho-analysis, including the association method, hypnotism, etc., are given some attention.

56.—Vocational Psychology. *Two hours credit.*

Second Semester.

Prerequisite, course 1 or 2. Education has become interested in the task of finding how it may better ascertain and direct the vocational interest of children. This course presents some of the

problems and methods of the branch of applied psychology which deals with individual differences in mental constitution and which has given us a beginning in the work of vocational direction.

57.—Genetic Psychology II. *Two hours credit.*

Second Semester.

Prerequisite, course 1 or 2. A study of the behavior of primitive man, tracing his mental, moral, religious, æsthetic, social and industrial development in those aspects which concern the genesis of the subject matter of education. A special reference to the mental life of the child among primitive people.

PHILOSOPHY.

60.—Ethics. *Two hours credit.*

First Semester.

This course begins with a study of the developmental side of the subject. Attention is then given to the systematic side and practical applications made.

61.—History of Ancient and Mediæval Philosophy. *Two hours credit.*

First Semester.

This course includes (1) Greek and Roman philosophy, with the emphasis on Plato and Aristotle; (2) a rapid survey of early Christian and scholastic philosophy.

62.—History of Modern Philosophy. *Two hours credit.*

Second Semester.

Presenting modern philosophy from Descartes to the present.

63.—Philosophical Systems. *Three hours credit.*

Second Semester.

A systematic study of historical and current systems, such as materialism, realism, the various brands of idealism, etc.

64.—Problems in Modern Philosophy. *Two hours credit.*

First Semester.

A study of certain tendencies in modern thought, such as absolute idealism, pragmatism, Bergsonism, etc. The content of this course varies with the time of offering it. Timeliness is made the guide.

SCHOOL ADMINISTRATION.

Professor ————.
Professor Lull.
Professor Carothers.

10.—Educational Measurements. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, Methods in Elementary Instruction. A course for teachers and supervisors in which they study how to make and use educational measurements. Students having had satisfactory teaching experience may secure permission to use this course to meet the requirement for Graded School Administration.

50.—History of Modern Education. *Three hours credit.*

Second Semester.

Beginning with the work of Rousseau and Pestalozzi, the development of our schools, their curriculum and the methods of teaching will be examined in some detail. Special emphasis will

be placed upon educational progress in the United States, and the whole account will be brought down to date. Recent and present educational progress will be considered.

51.—The History of Ancient Education. *Three hours credit.*

On sufficient demand.

Open to students who have studied ancient history. This course aims to be of service to students intending to become secondary-school teachers of Greek and Roman history or Latin. Important phases of life of the Greeks and Romans of the several periods are studied, in order to gain a clear conception of the evolution of the educational ideals and practices of these people and the influence of these ideals and practices upon Greek and Roman life.

53.—Supervision of Instruction. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisite, Methods in Elementary Instruction and Educational Measurements. The course is intended for teachers and principals in elementary schools. It deals with scientific management applied to the supervision of the teaching of the common branches.

55.—Principles of Education. *Three hours credit.*

Each Semester.

Prerequisite, sixty hours of college credit, including Methods in Elementary Instruction or Methods in High-school Instruction. This course is devoted to the consideration of the function of the school as an institution of society, the curriculum, and the principles underlying the administration of the curriculum.

60.—Educational Administration. *Three hours credit.*

Second Semester.

Prerequisite, Principles of Education. This course is designed as a sequel to Principles of Education, and deals with the application of the principles to school subjects. Economy of time in education and the reorganization of the curriculum receive special emphasis.

61.—Fundamental Problems of Administration. *Three hours credit.*

Summer Term, and Second Semester.

Prerequisite, sixty hours of college credit, or special permission from the instructor. Plans of course: To discover the educational needs, and then to determine as far as possible to what extent the present systems of administration should be reorganized. State and county (or other similar local unit) administration. Local administration, including cities and towns. General administration of instruction, secondary and elementary, with emphasis upon vocational instruction.

62.—High-school Administration. *Two hours credit.*

Summer Term, and Each Semester.

Historic sketch of secondary education; growth of secondary education in Kansas; survey of high schools of the state; problems of discipline; athletics; schedule-making; teaching pupils to study; the library; the village type of mind and its bearing on school administration.

This course is for the principals and superintendents of small towns and deals with the school system from the point of view of the village community.

This course not open to students who have credit in Administration of the Small Town and Rural High School.

70.—Educational Research. *Hours of credit to be arranged.*

Summer Term, and Each Semester.

A course for advanced students. It may be taken by correspondence. Students should consult the instructor before enrolling in this course.

RURAL-SCHOOL ADMINISTRATION.

Professor Culter.
Mr. Smith, Instructor.

1.—Rural-school Administration. *Two hours credit.*

This course is intended for those who are interested in rural schools or intend to teach in consolidated or small village schools. It consists of a study of the school site and grounds, modern schoolhouses, school hygiene and sanitation, training of teachers, play and playgrounds, the library and its uses, agriculture, consolidation, standardization of rural schools, etc. Emphasis will be placed on conditions as they exist in the country, and how to bring about a closer union of school and home.

This course not open to students who have credit in Graded-school Administration or Graded-school Mechanics.

2.—Methods in Rural-school Instruction. *Three hours credit.*

Summer Term, and Each Semester.

This course satisfies the former requirement of three hours of general methods and observation. Its aim is to give the student instruction in how to teach the common branches of the rural-school curriculum. Some of the underlying principles of general methods will be studied, and then their application to specific subjects will be considered. The motivation and socialization of subjects in the country school program and the primary work of the rural school, such as primary reading, number work, seat and language work, will receive attention.

This course is not open to students who have credit in Methods in Elementary Instruction.

3.—Grade-school Mechanics. *Two hours credit.*

Classroom organization and routine; the daily program and regular and special reports; tests and measurements; selection and care of equipment; the problems of discipline; professional relationships and professional ethics. A consideration of how the teacher may coöperate with the supervisor and administrator.

This course is not open to students who have credit in Graded-school Administration or Rural-school Administration.

5.—Methods in Rural-school Instruction and Administration. *Five hours credit.*

Each Semester.

This course gives instruction in the teaching of the common-school subjects, adapting methods and plans to conditions found in the rural schools. Combined with this course is the course in Rural-school Administration. This course satisfies the life certificate requirements for methods and school administration.

This course is not open to students who have credit in Methods in Elementary Instruction, Graded-school Administration or Graded-school Mechanics.

8.—Rural Life Problems. *Three hours credit.*

Summer Term, and Second Semester.

This course consists of a discussion of the problems of rural life under the general topics of The Rural Problem, Rural Industrial

Problems, and Rural Social Problems. We consider the specific problems of isolation, tenancy, roads, movement of farm population, home environments, schools, the church, farm organizations, social life, etc.

10.—County Supervision. *Four hours credit.*

Upon sufficient demand.

In this course a study is made of certain sections of the Kansas school law, comparing our laws with those of other states. Other subjects considered are office work and the making of official papers, organization and administration of rural schools, maintenance of schools, supervision of rural schools, schoolhouse and grounds, consolidation, etc., using as a text Cubberley's Rural Life and Education and the Twelfth Yearbook of National Society for the Study of Education. This course is offered by correspondence.

50.—State and County School Administration. *Three hours credit.*

Summer Term.

The work of this course will be based on Cubberley's Source Book in the above subject. Division one of this text treats of American Federal and State Policy; division two, of State Administration Organization; division three, of Extent of the Educational System; division four, of Financing the School System; division five, of Material Environment and Equipment; division six, of The State and the Teacher; and division seven, of The Oversight of the State.

As this is a source book, no principles are established nor conclusions drawn. These will be left for the class to formulate. The class work will be conducted in the following manner: One member of the class will be assigned a certain topic, as Training of Teachers. He will study the subject, write his conclusions, and present them to the class. In the meantime the class will have studied the subject, and when the paper is presented the class will be ready to discuss and criticize the conclusions of the one who has made a special study of the subject. In this way each one will make a thorough study of a few topics and get a general view of all the work.

51.—Foreign Rural-school Systems. *Two hours credit.*

Summer Term.

A study of the school systems of Denmark, Switzerland, Germany, France, Great Britain, etc., will be undertaken in this course. Their suggestions for modifications of our school system will be considered. Later a course in American school systems will be offered. These courses will be of interest to superintendents of counties and small towns.

52.—Administration of Small Town and Rural High Schools. *Three hours credit.*

A consideration of the problems of organization and administration of schools in rural communities and in towns of less than four thousand population. This course is designed primarily for persons who are engaged or expect to become engaged in administrative school work outside of our large towns.

The superintendent as a social and educational agent. A careful study will be made of the work of the superintendent in administration of the school, in interpretation of the courses of study, the supervision of instruction and recreation, the study of pupil and community needs and as the head of a community center social and educational institution.

This course is not open to students who have credit in High-school Administration.

53.—Rural-school Seminar.

By consultation with the head of this department some rural school problem, or rural school survey may be worked out. The number of hours credit will depend upon the amount of work required for completing the project.

Physical Training.

Harlan D. McChesney, Director of Physical Training for Men.
Dorothy Vestal, Acting Director of Physical Training for Women.
Edna McCullough, Instructor.

A special certificate to teach physical training in the elementary school and high school is issued. For requirements for this certificate, see page 53.

Gymnasium Costume for Men. The regulation costume is worn in all classes. It consists of a white sleeveless shirt, white track pants and white tennis shoes. The suit complete can be secured from local dealers at a small cost.

Gymnasium Costume for Women. A regulation costume is worn in all classes. It consists of black serge bloomers, all-white middy blouse and black tennis shoes, and is sold by local merchants.

THEORY.

1.—History of Physical Education. *Two hours credit.*

Summer Term, and Each Semester.

A library and textbook study of ancient, modern and present-day physical training. A careful study is made of the origin of systems and their adaptation to the educational needs of schools, colleges and nations. (McChesney.)

2.—Playground Supervision and Instruction. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, History of Physical Education. This course is half theory and half practice. The theoretical work deals with the psychology of play, construction and equipment of playgrounds, adaptation of play to varying ages, organization and daily programs, history and literature of the playground movement. Half the time of this course is devoted to the study and practice of playground games suitable for school children of the intermediate and upper grades. (McChesney.)

3.—Theory of Coaching and Management of Men's Athletics. *Three hours credit.*

Summer Term, and Each Semester.

A study is made of the different methods of teaching and coaching the major sports. The student gets a working knowledge of the finer points of football, baseball, basket ball and track athletics.

5.—Physiology of Exercise. (Men and Women.) *Three hours credit.*

Summer Term, and Each Semester.

Physiology of Exercise is a discussion of the effects of physical exercise on the body. The reactions the various organs undergo, normally, etc., their continuity, coördination and integration.

4.—General Technique. (Men.) *Two hours credit.*

Summer Term, and Each Semester.

In this course are given methods of handling classes in different

phases of work. A critical study is made of tactics, gymnastics, folk dances, games and apparatus work, and their relation to the school curriculum. (McChesney.)

5*s*.—The Boy Scout Movement. *Two hours credit.*

Summer Term.

For school superintendents, teachers, scout masters, and others. The value of scouting; analysis of the various activities as to their hygienic, physical, mental, and moral values; the adolescent during the scouting age. Practice in all the principal scouting activities and requirements; methods of establishing and maintaining scouting as a community enterprise. (McChesney.)

6.—Applied Anatomy. (Men.) *Two hours credit.*

Summer Term, and Each Semester.

The practical application of anatomy from the standpoint of the physical director and athletic coach, with particular attention to the action and coördination of the muscles. (McChesney.)

6*a*.—Applied Anatomy. (Women.) *Two hours credit.*

Summer Term, and Each Semester.

Study and coördination of muscles from the standpoint of physical training. (Vestal.)

7.—Management of Girls' Athletics. *One hour credit.*

Summer Term, and Each Semester.

Methods of teaching and coaching. (Vestal.)

8.—Methods of Physical Training. (Women.) *Two hours credit.*

Summer Term, and Each Semester.

Open only to freshmen and sophomores. If taken by juniors or seniors only one hour credit will be given. In this course are given methods for handling classes in the different phases of work. A critical study is made of tactics, gymnastics, folk dances, games and apparatus work, and their relation to the school curriculum. (McCullough.)

10.—Anthropometry.* (Men.) *One hour credit.*

Summer Term, and Each Semester.

Methods of measuring and testing the body, examination of the special senses, vitality and efficiency tests. Anthropometric charts, etc. Determination of normal and abnormal variations.

11.—Kenesiology. (Women.) *Three hours credit.*

Second Semester.

Prerequisite, Human Anatomy. Students in this course are given two hours of lecture work a week and are required to do practice-work teaching three hours a week in a corrective class. In this course are taught massage movements for the different parts of the body. Exercises are also given for drooping head, round shoulders, hollow back, spinal curvature and other malpositions which should be corrected in the schoolroom. (McCullough.)

* This course cannot be submitted as credit for the degree of Bachelor of Science in Education.

PRACTICE.

MEN'S DEPARTMENT.

Freshman and Sophomore years.

Required, one hour per semester (two or three periods per week in gymnastics or athletics for one hour credit).

In the practice of indoor and outdoor sports, attention is given to form and technique; adaptability of the individual to the various sports; conditions; rules and methods of scoring; team work and strategy. Teams for intercollegiate competition are maintained in football, basket ball, track athletics and tennis.

The rules governing eligibility for participation in intercollegiate contests are those of the Kansas College Athletic Conference.

2.—ELEMENTARY GYMNASTICS. *One hour credit.*

Marching tactics, free-hand and light apparatus exercises and gymnastic games. Special attention is given to the correction of faulty posture and carriage of the body.

3.—INTERMEDIATE GYMNASTICS. *One hour credit.*

Body building and corrective exercises, gymnastic dancing steps, heavy apparatus exercises, and elementary tumbling. Prerequisite, course 2.

4.—ADVANCED GYMNASTICS. *One hour credit.*

Offered the third and fourth terms to those prepared to take up athletics and folk dancing, individual and companion tumbling, and difficult exercises upon the heavy apparatus. Prerequisite, courses 2 and 3.

7.—FOOTBALL. *One-half hour credit.*

Given during the fall, only to men in good physical condition as shown by physical examination. The squad is divided into teams according to ability.

8.—BASKET BALL. *One-half hour credit.*

Classes are organized throughout the year. Class squads are organized from which teams are chosen for the interclass series. These games are played as curtain raisers to the intercollegiate games.

9.—BASEBALL. *One-half hour credit.*

Given in season. Individual and team practice. The squad is divided in teams graded according to ability.

10.—TRACK AND FIELD ATHLETICS. *One-half hour credit.*

Given in season, only to men in good physical condition as shown by physical examination. Cross-country running is given in season.

11.—FIELD HOCKEY. *One-half hour credit.*

Given in season, only to men in good physical condition as shown by physical examination.

12.—TENNIS. *One-half hour credit.*

Given in season. Tournaments in both singles and doubles are held.

13.—SWIMMING. *One-half hour credit.*

Elementary and advanced instruction is given throughout the year.

WOMEN'S DEPARTMENT.

Purpose: The aim of the department is twofold: First, to bring each student to her best possible physical condition, and by a careful system of gymnastic training to correct faulty posture and carriage, to aid in the formation of habits of hygienic living, to establish a normal condition in the circulatory and respiratory systems, to secure bodily vigor, and to obtain a healthful and systematic development, rather than to secure the greatest increase in muscular power. Students are under the care of teachers who have had thorough medical training, and will be given special medical or corrective exercises prescribed according to individual needs as indicated by their physical examinations. In order that the effect upon muscles may be lasting and best results be obtained, students will not be excused from physical training until the required courses are satisfactorily completed, but the work will always be adapted to the individual needs. Second, to qualify them, as teachers, to intelligently consider the physical needs of their pupils, and to direct in the schoolroom daily exercises which will prevent or help to correct physical defects; also to teach in their playgrounds athletics, games, and folk dances.

Freshman and Sophomore years.

Required, one hour per semester. (Three periods of work per week in gymnastics, athletics or other elective work during one semester of eighteen weeks gives one hour credit.)

2.—ELEMENTARY GYMNASTICS. Required of all beginners. Three periods a week for one semester.

3.—INTERMEDIATE GYMNASTICS. For students who have completed course 2, or its equivalent. Three periods a week for one semester.

4.—ADVANCED GYMNASTICS. Open only to students who have passed course 3 with high grades and physically adapted to apparatus exercises.

5.—METHODS IN FLOOR WORK. For all students during their second year of college work who have completed course 2. Three periods a week, two of which are floor work, and one a lecture. Special attention is given to gymnastics, games and folk dances, suitable for the schoolroom and playground.

During each half semester the lecture is given in the corrective department, where exercises and prescriptions are taught that may be used to correct common physical defects in children and older girls.

7.—CORRECTIVE GYMNASTICS. Open to all students who have need of remedial work. Special attention is given to those having spinal curvature, round shoulders, narrow chests, forward heads, weak backs, pronated ankles, or other physical weakness.

8.—OUTDOOR SPORTS. Open to all students who have completed two terms of gymnastics. Three periods a week in season. In this course are taught a variety of games, including baseball, soccer, playground ball, cross ball, track athletics and relay racing.

9.—SOCCER. Open to students who have passed eighteen weeks of gymnastics. One period a week for one semester.

10.—Basket Ball. Open only to students who are physically qualified and who have passed course 2.

11.—Baseball. One period a week in season.

12.—Hockey. One period a week in season.

13.—Tennis. Open to all students having the privilege of electing athletics. One, two, or three periods a week.

14.—Swimming. One lesson a week is allowed each student.

26.—Æsthetic Dancing (elementary). Two periods a week. The purpose of this course is to develop grace and freedom of movement. The classic dancing is emphasized, and is now considered one of the most important phases of gymnastic exercise.

27.—Folk Dancing (intermediate). One period a week. In this course are taught the simple peasant and national dances suitable for recreative and exhibition work with children.

28.—Æsthetic Dancing (intermediate). Open to all students who have completed course 26.

29.—Folk Dancing (intermediate). One period a week. Open to all students who have completed course 27.

30.—Advanced Æsthetic Dancing.

31.—Advanced Folk Dancing.

Physics.

Professor Drake.
Mr. Van Voris, Instructor.

This department is located on the third floor of Norton Science Hall, occupying a suite of the following rooms: Lecture room, elementary laboratory, advanced laboratory, light laboratory, photographic laboratory, department library, and office. Comprehensive equipment is furnished for the elementary and advanced courses. Electric current is supplied to all parts of this floor from a thoroughly up-to-date type of switchboard designed and built in this department. A gasoline engine and other farm, home and school appliances are provided for study purposes.

1.—Mechanics, Sound, and Heat. *Five hours credit.*

Summer Term, and Each Semester.

Prerequisite, one year each of algebra and geometry, and high-school physics, or Physics 5. It is recommended that trigonometry be taken before this course or at the same time with it. The subject matter is presented with the view of furnishing a practical knowledge as well as the development of the cultural aspects. (Drake, Van Voris.)

2.—Light, Magnetism, and Electrity. *Five hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 1 or its equivalent. The viewpoint is the same as in the previous course. The application of light and electricity in the home, on the farm, and in the school are taken up in an applied way. (Drake, Van Voris.)

3.—Radio-telegraphy. Two hours credit.

Summer Term, and First Semester.

Prerequisite, course 2 or its equivalent. This course will cover the theory and practice of radio work. The laboratory work will consist of setting up actual apparatus, tuning, measuring waves, experimenting with detectors, and becoming acquainted with the various parts and kinds of wireless equipment, practice in sending and receiving. (Drake.)

4.—Advanced Light. *Two hours credit.*

Second Semester.

Prerequisites, same as in course 3. Problems and experiments relating to illumination, the eye, the microscope, telescope, spectroscope and spectrometer, polarized light, the stereopticon, reflectoscope and the moving picture machine. (Drake.)

5.—General Physics. *Five hours credit.*

First Semester.

A rapid survey of the whole field of physics with the cultural aspects emphasized. Designed for those who do not offer physics for college entrance. (Drake, Van Voris.)

6.—Household Physics. *Three hours credit.*

First Semester.

Designed for those specializing in home economics. It consists of a course of lectures, assigned readings, and laboratory work treating of labor-saving devices in the home, the principles of heating, ventilating, and lighting, of color phenomena, thermal principles employed in cooking devices, musical instruments, and of electrical appliances used in the home. (Drake, Van Voris.)

7.—Farm Physics. *Five hours credit.*

Second Semester.

Prerequisites, high-school physics, and a specializing in agriculture. It takes up soil physics, farm machinery, electric and other light for the farm home, road making, rope tying, and such other topics as will give the best preparation in this line of work. (Van Voris.)

8.—Gas Engines and Automobiles. *Two hours credit.*

Summer Term, and Second Semester.

Open to all students who have had high-school physics. Types of engines, cooling systems, valves, ignition systems, fuels, carburetors, governors, care and management of, engine troubles, auto unit power plant, auto troubles, horsepower of, materials and designs for special uses. (Van Voris.)

9.—Laboratory Technique. *Two hours credit.*

First Semester.

This is the laboratory and shop course in the making of simple apparatus for high-school laboratories. Simple lessons are given in the handling of glass—molding, blowing, etc. Instructions are given in the making of lantern slides.

50.—Teaching of High-school Physics. *Two hours credit.*

Summer Term, and Second Semester.

Open only to those specializing in this department as a teachers' course and might well be taken in connection with practice teaching. Students must have had at least ten hours of college phyiscs before undertaking this course. The organization of secondary physics courses, the equipment of laboratories, economical purchase of appa-

ratus and supplies, care of apparatus, arrangement of laboratory, and a thorough examination of the state text and manual, are some of the matters dealt with in this course. (Drake, Van Voris.)

52*a*.—Advanced Mechanics. *Two hours credit.*

Summer Term, and first half of First Semester.

Prerequisites, courses 1 and 2, and Trigonometry. Practical problems and experiments related to forces in commercial structures, work, power, elasticity and mechanics of fluids. (Drake.)

52*b*.—Advanced Heat. *Two hours credit.*

Second half of First Semester.

Prerequisites, same as for 52*a*. Problems and experiments related to fuels, calorimetry, steam and gas power plants, gas engines and refrigeration plants. (Drake.)

53.—Advanced Magnetism and D. C. Electricity. *Four hours credit.*

Second Semester, and even summers.

Prerequisites, same as for 52*a*. Problems and experiments in magnetism and electrical experiments, study and use of direct-current instruments and machinery. (Drake.)

54.—Advanced A. C. Electricity. *Three hours credit.*

Second Semester, on demand.

Prerequisite, course 53. Practical problems and experiments in alternating-current electricity, study and use of alternating-current instruments and machinery. (Drake.)

55.—Advanced General Physics. *Five hours credit.*

Prerequisites, courses 1 and 2, and Calculus. This course is designed for those specializing in physics and mathematics, and for those who expect to take graduate work. It takes up an advanced treatment of the principles of general physics from the mathematical standpoint. (Drake.)

Physiology and Hygiene.

Professor White.
————, Instructor.

1.—General Physiology. *Three hours credit.*

Summer Term, and Each Semester.

An elementary course with college credit for those students who have not taken physiology in high school. The work will consist of a comprehensive discussion of the basic principles of physiology, and emphasis will be laid upon the relation of the body functions to personal efficiency. From time to time laboratory apparatus and sections of normal tissue will be used to give a better idea of the subjects under discusssion.

4.—First Aid to the Injured. *One hour credit.*

Summer Term, and Each Semester.

A course in emergencies and first aid to the injured is offered. This course will take up the important points under anatomy which are necessary, and a discussion of germs and infection, followed by a consideration of inflammation, its causes and symptoms. Briefly, the following conditions will be considered: First-aid materials, antiseptics, splints, tourniquets, shock, bruises, sprains, dislocations, fractures, burns of all kinds, hemorrhage, unconciousness, convulsions, poisoning, sunstroke, frostbite, electric shocks and lightning, hiccough, corns, chilblains, etc. Artificial respiration after

drowning accidents will be carefully taught; also thorough practice in all kinds of bandaging.

5.—Hygiene and Sanitation. *Three hours credit.*

Summer Term, and Each Semester.

A course dealing with the practical phases of hygiene and sanitation as it affects the conditions under which we live and exist. A few of the subjects taken up will be as follows. Air, humidity and its effect on health; ventilation; dust and its removal; heating systems, methods, etc.; water—composition, properties, impurities, purification systems, filtration, sedimentation, reservoirs, watersheds, chemical tests, etc.; sewage removal, disposal plants, plumbing; garbage disposal; food—adulterants, laws applying, preservatives, energy value, etc.; exercise; clothing; personal hygiene, industrial hygiene, effects of certain occupations, etc.; length of working day; school hygiene, site, structure, medical inspection of, etc.; military hygiene; naval hygiene; soil; habitations—site, walls, foundations, roof; flies, mosquitoes, etc.; disease—epidemics, immunity, susceptibility, vaccination; disinfection—methods, etc.; quarantine—laws and customs in different localities; vital statistics. Practical field trips will be taken to observe dust removal, ventilation systems, heating plants, refrigeration plants, slaughterhouses, garbage incinerators, waterworks systems, etc.

7.—Histology. *Two hours credit.*

Second Semester.

A study of the structure of the organs and tissues of the body, both macroscopic and microscopic, including the glands, blood vessels, muscles, nerves, skin, kidney, liver, stomach, pancreas, spleen, etc. Laboratory work will be an integral part of the course. The permanent mounts of sections of tissue will be the property of the individual student at the completion of the course, and will be invaluable for illustrating work in physiology, for the teacher who wishes to get permanent results.

8.—School and Personal Hygiene. *Three hours credit.*

Summer Term, and Each Semester.

This course will take up particularly those problems arising in the hygiene and sanitation of the public school and grounds. It will also emphasize personal hygiene as it is related to the pupil and to the teacher; personal prophylaxis and how to encourage it will also be carefully considered. The school nurse and medical inspection of schools will be important topics.

50.—Advanced Physiology. *Five hours credit.*

Summer Term, and Each Semester.

Prerequisite, a high-school course in physiology, or course 1. Frequent illustrations of the subject under consideration will be given by use of laboratory apparatus and methods. In addition to a careful discussion of the functions of the blood, lymph, digestive tract, nervous system, skin, glands, respiratory organs, muscles, etc., conference topics will be assigned to each student during the course, on pertinent subjects on which students will be asked to make special research and read the results of their investigations in class.

51.—Physiology of Alimentation and Dietetics. *Two hours credit.*

Second Semester.

Particular stress will be laid upon the study of the action of the enzymes and the secretions of the glands of the stomach and intestines, also the secretions of the salivary glands of the stomach

and intestines, also the secretions of the salivary glands and pancreas. The process of absorption, assimilation, emulsification, saponification, and their relation to nutrition, are studied in detail. The calorie values of the constituents of food are given proper consideration, and the proper amount of each constituent in a daily diet with relation to the amount of physical or mental work done. A careful study of the bacteria of the alimentary tract, and conditions under which they multiply, will also be included. Prerequisite, course 1 or General Chemistry.

53.—Human Anatomy. *Five hours credit.*

First Semester.

Study of the bones, muscles, and internal organs. A thorough study is made. Prerequisite, Advanced Physiology.

Public Speaking and Expression.

Professor Gilson.
Miss Trice, Instructor.

It is the purpose of the Department of Public Speaking and Expression to enable its students to speak the English language distinctly and correctly; to express the masterpieces of literature with true meaning and feeling; to address an audience easily and effectively; and to have so thorough a knowledge of the methods used that they may teach the subject wisely.

All courses offered are limited to twenty students.

1.—Oral English. *Three hours credit.*

Each Semester.

Prerequisite to other courses. This is a beginning course and gives a general survey of Public Speaking and Expression and is introductory to more specialized courses. Its aim is to create within the student correct speech habits as to language, voice, pronunciation, and thought process. The course includes much drill in platform work, both in extemporaneous speaking and oral interpretation of literature.

2.—Fundamentals of Expression. *Three hours credit.*

Summer Term, and Each Semester.

A course in the underlying principles of expression, including training in voice, pronunciation and bodily expression as applied to interpretation of literature. The course is designed to help teachers make all oral exercises in the classroom intelligent and pleasing. Some practice will be given in story telling, and causes and remedies for defective speech will be considered. (Gilson, Trice.)

3.—Public Speaking. *Three hours credit.*

Summer Term, and Each Semester.

A course in extemporaneous speech. Phillip's Effective Public Speaking is used as a text, and much drill is given in the presentation of speeches. The aim of the course is principally to give the students ease and effectiveness in public speech. (Gilson.)

4.—Story Telling. *Three hours credit.*

Each Semester.

Prerequisite, Fundamentals of Expression. Aims to develop in the student the power to discover in the world's literature, in history and in life the best stories for education, and to tell them

well; also to foster creative work in arranging stories from classic and historic sources for presentation in special grades, including high school. (Gilson.)

6.—Dramatics. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 1, or its equivalent. A course in presentation of farces and plays. The aim of the course is to gain a clear understanding of the dramatic form in literature and to give the student practical knowledge of how to stage a play. (Gilson.)

7.—Advanced Public Speaking. *Three hours credit.*

Each Semester.

Prerequisite, course 2, and Composition and Rhetoric I. This course is a continuation of course 2. Winan's Public Speaking is used as a text. Careful attention is given to the delivery and construction of the speech.

9.—Advanced Expression. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 1. A continuation of course 1. Drill in platform work, arranging programs, making readings from stories and plays. (Gilson.)

10.—Argumentation and Debate. *Three hours credit.*

Each Semester.

A good text is used for the basis of actual work in debate. The matter of debate work is considered both as to form and matter.

52.—The Occasional Address. *Two hours credit.*

Each Semester.

Prerequisite, courses 1, 4 and 5. This course consists of a study of the formal lecture. It gives special attention to addresses appropriate for commencement, Memorial day, the banquet and the chautauqua.

53.—Platform Reading. *Two hours credit.*

Each Semester.

Prerequisite, courses 1, 2, 4 and 5, also three hours of Literature. This course is intended especially for those who wish further training in platform art. Each student will prepare a short program taken from standard literary material. (Gilson.)

59.—Methods in Oral English. *Two hours credit.*

Second Semester.

Prerequisite, courses 1, 2 and 4. A pedagogical course dealing with the teaching of the following forms: Reading, extemporaneous speaking, debate, orations, school plays. (Gilson.)

54.—Pagentry. *Two hours credit.*

Summer Term.

A course designed primarily to enable teachers to write and produce pageants in their community. It will cover such points as writing and staging a pageant, also costume, music, and dancing in their relation to pageantry.

Sociology and Economics.

Professor Smith.

SOCIOLOGY.

1.—General Sociology. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, Psychology. The first half of the semester outlines the general field of sociological theory, literature and thought, with a textbook, assigned readings, papers and discussions. The second half of the semester will be used in investigating a variety of topics dealing with dependents, defectives and delinquents, sociological legislation and reform, rural and urban life. Lectures, assigned readings, reports and term papers.

50.—Sociological Problems. *Two or four hours credit.*

On sufficient demand.

Prerequisite, General Sociology. The nature of the work will vary from semester to semester, a part of it being in advanced theory and part in detailed topical investigation.

51.—Social Pathology. *Two hours credit.*

Prerequisite, General Sociology or Clinical and Abnormal Psychology. This course is a general study of dependents, defectives and delinquents. Special attention will be given to conditions in Kansas and the penal, charitable and educational institutions established to care for the poor, the insane, the unfortunate and the criminal. Various plans for improving present conditions will be investigated and the best scientific thought along these lines elaborated.

52.—Educational Sociology. *Three hours credit.*

Each Semester.

Prerequisite, Psychology. The most remarkable developments in the educational field in the past few years have been along social lines. The individualistic point of view is giving way to the social, and the school is becoming more and more a part of community life. The affiliation of the school with the home and the church, with industry and the government, must be made more complete and perfect. To emphasize this broader point of view, and to trace fully the relation of the school to the other educational institutions of life, is the purpose of educational sociology

53.—The Socialization of the Curriculum. *Two hours credit.*

Summer Term.

Prerequisites, Methods in Instruction, General Psychology, also General Sociology unless special permission of the instructor is secured. A seminary course consisting of detailed studies of the means and methods of working over each subject in the public-school curriculum so that it will fit the pupil most easily and effectively for meeting the actual conditions of life outside the schoolroom. May well be taken in connection with Educational Sociology.

54.—Rural Sociology. *Three hours credit.*

Second Semester.

A study of social conditions and problems in rural districts and villages. An analysis is made of the various agencies for rural betterment, such as the need of amusement, social organization and cooperation, school and church centralization. Particular attention is paid to Kansas conditions, and detailed study of one rural community with a class report upon it is demanded.

54*s*.—Rural Sociology. *Two hours credit.*
Summer Term.

55.—Genetic Psychology II. *Two hours credit.*
See Department of Psychology and Philosophy.

56.—Social Psychology. *Two hours credit.*
See Department of Psychology and Philosophy.

ECONOMICS.

1.—General Economics. *Three hours credit.*
Summer Term, and Each Semester.
A brief survey of the principles of economics, with a preliminary application of these principles to existing business conditions. Special attention will be devoted to local and national politico-economic questions before the public at the present time. In so far as possible it will be an applied rather than a theoretical course, and will be of especial advantage to debaters and those interested in public affairs.

1*s*.—Rural Economics. *Two hours credit.*
In this course the theories of economics most prominent in agriculture are emphasized. The illustrative material used is drawn mainly from farm sources. It is intended to make the course as distinctly practical as possible.

51.—Money, Banking, and Public Finance. *Four hours credit.*
First Semester.
Prerequisite, General Economics. The first half of the semester is devoted to the general history and principles of money and credit, banking history, theory and practice, and some of the financial problems of the day. The last half of the semester will be devoted to public finance. This course includes an analysis of the fundamental principles of national finance as shown in the leading revenue systems of the world; the variety, nature and workings of the different elements of taxation in our national, state and municipal budgets, and a study of the specific tax problems before the state of Kansas. By special consent of the instructor and adviser the two parts of this course may be taken separately and two hours credit given to each.

52.—Commercial and Industrial History. *Three hours credit.*
Upon sufficient demand.
A history of commerce. It traces the rise of trade and commerce in ancient times, its development during the Crusades and the age of the Hanseatic and other commercial leagues, and its enormous expansion in recent times; also the effects of geographical conditions, customs and economic ideas upon commerce, and its reactionary effect of commerce upon civilization and national development. It embraces a review of the colonial industrial system, the growth of manufactures, the internal improvement and tariff questions, the development of our banking and currency systems, and the rise and treatment of our trust and monopoly problems.

53.—Labor and Transportation Problems. *Four hours credit.*
Second Semester.
Prerequisite, General Economics. A brief history of labor organizations, with a preliminary study of such problems as the union label, strikes and boycotts, workingmen's insurance, employer's liability, profit sharing, and labor legislative programs. This will trace briefly the history of transportation in the United States and Europe, then take up the problems of the tariffs, capitalization, organization, judicial control, state regulation of our railways, and a brief review of our maritime and inland waterway policies.

THE TEACHER TRAINING SYSTEM.

H. G. Lull, Drector.

Training Schools.

Anne Bingham, Kindergarten.
Achsah Mae Harris, Primary.
Mabel Scheef, Intermediate.
Georgia Snyder, Junior High School.
W. H. Keller, Senior High School.

Practice teaching is carried on in the Elementary School, the Junior High School and the Senior High School of the Normal School. By special agreement with the board of education, practice teaching is also done in the city schools of Emporia. Practice teaching is also carried on in certain rural centers.

The director of teacher training has general charge of all practice teaching except practice teaching in certain rural centers, which is directed by the professor of rural education. The director of teacher training and the professor of rural education act in close coöperation.

Elementary School. This school consists of three divisions, viz., Kindergarten, Primary Grades, including the first three grades, and the Intermediate Grades, including the fourth, fifth and sixth grades.

The kindergarten is presided over by one head supervisor, one assistant supervisor, and a supervisor of music.

The work of the primary grades is conducted by one head supervisor, two or three assistant supervisors, a supervisor of music, and a physical training supervisor.

The work of the intermediate grades is directed by a principal, three or four supervisors, a supervisor of music, a supervisor of drawing, a supervisor of home economics, a supervisor of physical training, a supervisor of manual training, and a supervisor of penmanship.

The work of the intermediate grades is departmentalized, although the principal and each of the three or four supervisors frequently have charge of two or more subjects in the same or in different grades. The principal and supervisors are known as room-charge supervisors, having the direction of the management and discipline of the intermediate grades and of the instruction in English, geography, history, arithmetic, civics and elementary science.

Junior High School. This school consists of seventh, eighth, and ninth grades. It has a principal who is also supervisor of history and civics. The principal, together with the supervisors of mathematics, elementary and general science, and English, have general charge of the management and discipline. In addition to the special supervisors named for the intermediate grades (*i. e.*, supervisors who are not room-charge supervisors), there is a supervisor of foreign languages (at present French and Latin).

The supervisors of mathematics, elementary and general science, history and civics, in the Junior High School, help in organizing the

courses in their lines, respectively, in the intermediate grades and aid the assistant supervisors of that department in their work in various ways.

SENIOR HIGH SCHOOL. This school consists of the tenth, eleventh and twelfth grades, and is presided over by a principal and a full corps of teachers and supervisors.

CITY SCHOOLS. The director of teacher training, coöperating with the city superintendent of schools, chooses the teachers, who supervise the practice teaching and have general charge of the work. The director of teacher training may send any of the principals or supervisors of the Normal Training Schools to the city schools to assist him in directing the work of practice teaching. Students without teaching experience do part of their practice teaching in the city schools, to learn the regular routine procedures, which are not provided in the Normal Training Schools. The Normal Training Schools, especially the Elementary School and the Junior High School, are becoming semiexperimental, and are better adapted to the needs of student teachers who have had some teaching experience. The student teachers in the city schools are known as "teaching apprentices."

RURAL SCHOOL CENTERS. Agreements are made with boards of education of certain neighboring rural schools and small town schools to furnish practice-teaching facilities for students who are preparing to teach in small towns and rural schools. This work is directed by the professor of rural education, coöperating with the director of teacher training. The general plan of this work is to select a small town as a rural school center. A supervisor has charge of all practice teaching in the town and in the rural schools included in the group. The professor of rural education makes frequent trips to this group of schools to direct the work of practice teaching. The present arrangement requires that each student devote her undivided attention and effort for one month to this work, for which she receives four hours of the six hours credit in practice teaching required for the life certificate. The other two hours are taken afterwards in the Training Schools.

The Bureau of Educational Standards and Measurements works in close coöperation with the supervisors of the Training Schools in testing the results of instruction and in initiating new tests.

MINIMUM SUBJECT-MATTER PREREQUISITES FOR PRACTICE TEACHING.

1. For the life certificate to teach in the kindergarten.
   Twenty hours, definitely prescribed.
2. For the life certificate to teach in the primary grades.
   Twenty hours, definitely prescribed.
3. For the life certificate to teach in the intermediate grades.
   From eighteen to twenty-four hours required; in each of three departments, including English, six to eight hours.
4. Requirements for the life certificate to teach in junior high schools.
   From eighteen to twenty-four hours required; in each of two departments, including English, nine to twelve hours.

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5. Requirements for the B. S. degree in education to teach in junior and senior high schools.
   Twelve hours of English. Majors and minors required for the degree.
6. Requirements for the life certificate to teach in rural schools.
   From sixteen to twenty-four hours required; in each of four departments, including English, four to six hours.
7. The director of teacher training and the professor of rural education act as chief advisers to candidates for the life certificate in electing their subject-matter courses.

PRACTICE-TEACHING INTRODUCTORY SUBJECTS REQUIRED.

1. For all students preparing to teach in elementary schools, and for all students who are preparing to teach in the junior high schools on a life certificate.
   1. Elementary Instruction ..... 3 hrs.
      By the director of teacher training.
      A. Additional introductory subjects for the kindergarten.
         (1) Kindergarten Technique ..... 3 hrs.
            By the head supervisor of the kindergarten.
         (2) Primary Methods ..... 4 hrs.
            By the head supervisor of the primary grades.
      B. Additional introductory subjects for the primary grades.
         (1) Methods in Primary Instruction..... 4 hrs.
            By the head supervisor of the primary grades.
2. For all candidates for the degree of B. S. in education who are preparing to teach in junior and senior high schools.
   1. High School Instruction ..... 3 hrs.
      By the director of teacher training.
3. For all students preparing to teach in rural schools and small town schools.
   1. Rural School Instruction and Administration..... 5 hrs.
      By the professor of rural education.

All of the above subjects are given by instructors immediately concerned wth practice teaching. There are no intervening special methods subjects between the above subjects and practice teaching.

All of the above courses include varying amounts of observation and participation in schoolroom work.

PRACTICE-TEACHING PARTICIPATION.

Practice teaching is immediately preceded by introductory courses in methods, which include a certain amount of observation and participation in schoolroom duties. Full participation in teaching, however, follows after these courses are completed.

The work of practice teaching is distributed in general as follows:

1. Practice teaching, participation in which all phases, including the conducting of a recitation, supervising study, observing the work of the supervisor, marking papers, preparing materials, etc., are carried on by student teachers from four to five hours per week for one semester or one year, according to the requirements of the certificate or degree for which the student is working.

2. Rgularly scheduled conferences with supervisors are held from

one to two hours per week for one semester, or one year, while the student is doing her practice teaching. These conferences are substitutes for special methods subjects, which were formerly given by instructors who had little if anything to do with practice teaching. These conferences are systematically organized and require as much work on the part of the student teachers as did the former special methods courses.

3. Personal conferences with supervisors several times a week.

4. General conferences of all student teachers of a division or a school with the head supervisor or principal regarding matters of common interest to the group, as, for example, a consideration of school projects, general management, discipline, etc. Other supervisors and assistants belonging to the group usually attend.

5. General conferences of all student teachers of one or more or all divisions or schools with the director of teacher training in which the larger problems of the school or divisions of the school are discussed. All supervisors concerned attend these conferences.

6. General conferences of all student teachers engaged in small town or rural school practice teaching with the professsor of rural education.

REQUIRED SUBJECTS CLOSELY RELATED TO PRACTICE TEACHING AND TO INTRODUCTORY SUBJECTS.

1. General Educational Psychology..... 3 hours.
   This subject is a prerequisite to practice teaching in the training schools and must be taken before or with the first introductory subjects to practice teaching.
   By the head of the department of psychology.

2. Advanced Educational Psychology..... 3 hours.
   Prerequisite to practice teaching for all candidates for the degree of B. S. in Education.
   By the head of the department of psychology.

3. Educational Measurements ..... 2 hours.
   Required for teaching in intermediate grades, junior high school, and rural schools. This subject should preferably be taken while the student is practice teaching.
   By the head of the department of administration and supervision.

4. Six hours of work are selected from a variety of courses dealing with the administrational, psychological, or social problems of the school, by all candidates for the degreee of B. S. in Education.

"SUMMING UP" EDUCATIONAL SUBJECTS TO BE TAKEN AT THE CONCLUSION OF PRACTICE TEACHING.

1. Kindergarten Theory and Practice..... 3 hours.
   For all students who have had practice teaching in the kindergarten.

2. Administration of Elementary-school Instruction. (Not yet provided) ..... 3 hours.
   For all students who have had practice teaching in the elementary school.

3. Administration of Rural-school Instruction..... 3 hours.
   For all students who have had practice teaching in small towns or rural schools.

4. Administration of Junior High-school Instruction. (Not yet provided) ..... 3 hours.
   For all students who have had practice teaching in the junior high school.
5. Administration of Senior High-school Instruction. (Provided but not yet prescribed) ..... 3 hours.
   For all students who have had practice teaching in the Senior high school.
6. Principles of Education ..... 3 hours.
   Required in the senior year for all degree students.

The above courses are given, or should be given, with the exception of Kindergarten Theory and Practice, by the Department of Administration and Supervision and by the department of rural education.

JUNIOR AND SENIOR TRAINING HIGH-SCHOOL CURRICULUMS.

The administration of the curriculums of both these schools is based upon the following general principles: (1) The need for common knowledge and training which all individuals of a political and industrial democracy must have in order to live together as free and responsible citizens. (2) The need of differentiated knowledge and training for the vocations and professions which various groups of workers must have to be socially efficient in an industrial democracy. (3) The need for a variety of activities and studies which will develop and satisfy the individual avocational bents of boys and girls—their play-life and cultural capacities.

THE RELATION OF THE JUNIOR TO THE SENIOR TRAINING HIGH SCHOOL.

These schools are small, having a combined enrollment of about two hundred pupils. Pupils entering the Senior Training High School, either from the Junior Training High School or from other schools, are quite generally looking forward to higher institutional training for teaching.

CONSTANTS. The curriculum of the Junior Training High School provides a corps of constants as follows: (1) Primary group, including English, United States history, physical training (including personal hygiene); (2) Secondary group, including mathematics, elementary and general science, geography, and home economics for girls.

The subjects of the primary group are required for their citizenship, vernacular, physical developments, and health values. For example, mathematics is used to solve the home and community life problems of the pupils; and elementary and general science deal quite largely with problems of home and community sanitation, gardening, food production and preparation, adulterations, water supply, etc. The secondary group is differentiated into special elective groups, while the subjects of the primary group constitute the constants in the Senior Training High School.

GUIDANCE ELECTIVES. A few electives are offered the first and second years and a much larger number in the third year in the Junior Training High School. Girls of the first and second years are required to elect one subject, or they may elect two; and the boys are required to elect two subjects, or they may elect three. In the third year both boys and girls are required to elect two subjects, or they may elect three.

GUIDANCE WORK. A system of pupil guidance becomes very important, including elective subjects in the Junior Training High School. It is conducted as follows: The principal, beginning about one month before the close of each semester, calls each pupil into conference regarding his work for the following semester. New pupils, of course, entering school for the first time cannot be called into conference until the beginning of the term. Similarly, the principal then seeks a conference with the parents of each pupil. As a result of these principal-pupil-parent conferences, the pupils' elections for the following term are made. There is no effort made to influence pupils to carry any one elective subject, except foreign languages, more than one semester, although he may do so. Pupils should carry a foreign language at least one year before changing to other lines of study. The pupils are trying to find themselves, and an opportunity of trying themselves out in the various subjects is essential.

CURRICULUM OF THE JUNIOR HIGH SCHOOL.

	ELECTIVES.	CONSTANTS.	ELECTIVES.
7B	Manual Training. Designing.	United States History. English. Arithmetic. Geography. Physical Training and Personal Hygiene. Home Economics (for girls).	French. Latin-English. Vocal Music. Instrumental Music.
7A	Manual Training. Designing.	United States History. English. Arithmetic. Elementary Science and Social Hygiene. Physical Training and Personal Hygiene. Home Economics (for girls).	French. Latin-English. Vocal Music. Instrumental Music.
8B	Manual Training. Designing. Orchestra Music.	Community Civics. English. Arithmetic. Elementary Science and Social Hygiene. Physical Training and Personal Hygiene. Home Economics (for girls).	French. Latin-English. Vocal Music. Instrumental Music.
8A	Manual Training. Designing. Orchestra Music.	State and National Civics. English. Mathematics. Elementary Science and Social Hygiene. Physical Training and Personal Hygiene. Home Economics (for girls).	French. Latin-English. Vocal Music. Instrumental Music.
9B	Agriculture I (Agronomy). Vocational Math. Manual Training I. Home Economics I. Orchestra Music.	General Science I. English I. Physical Training and Personal Hygiene.	French I. Latin I. Vocal Music I. Instrumental Music. Algebra I. Anc. & Med. Hist. I. Free-hand Drawing I.
9A	Agriculture II (Animal Husb'y). Manual Training II. Home Economics II. Orchestra Music.	General Science II. English II. Physical Training and Personal Hygiene.	French II. Latin II. Vocal Music II. Instrumental Music. Algebra II. Anc. & Med. Hist. II. Free-hand Drawing II.

The term "Social Hygiene" as used above does not include "Personal Hygiene," which is taught in connection with Physical Training.

SENIOR TRAINING HIGH-SCHOOL CURRICULUM.

(Tenth, Eleventh, and Twelfth Grades.)

Students graduating from the Senior Training High School must have earned twelve units in the tenth, eleventh and twelfth grades, with subjects distributed according to the following outline. Students entering the Senior High School must present four units (see Junior Training High-school Curriculum for 9B and 9A grades). A unit is defined as the completion of a subject, the class meeting five periods per week for two semesters or one scholastic year. Laboratory subjects require double periods.

CONSTANTS. All students are required to complete all subjects listed as "constants." The direct values of these subjects are realized in the common knowledge and training which individuals of a democracy must have in order to live together as free and responsible citizens. The "constants" deal with the problems of citizenship, the means of communication through the vernacular and with the problems of health and physical development.

History and Civics.	*Units.*
Contemporary World History, S. 1-2*	1
American History from 1789, S. 3-4	1
Civics (Problems of American Democracy), S. 5-6	1

English.	*Units.*
Constructive English, S. 1-2	1
Literature, S. 3-4	1

Physical Training and Personal Hygiene.

Physical Training, including Personal Hygiene, taken throughout the three years, S. 1-6.

ELECTIVE GROUPS. The elective groups are designed primarily to prepare for entering normal school, university or college training for teaching, but also to prepare for entering university training for other professions, as well as for vocations requiring less than college or university training. As far as possible, each student should determine the special field in teaching for which he wishes to prepare in normal school, university or college, and then in consultation with his advisers, Mr. Keller and Miss Minrow, elect the group of subjects which will fit him best for that work; or if he wishes to prepare for some other profession or vocation, he should choose the group which will give him the best training for his future work in it.

Each student, on entering the Senior Training High School, is required to elect one of the following groups of subjects, from which he is to complete before graduation no fewer than *four* units, nor more than *five*. Work in the same department done in the ninth grade of the Junior Training High School will count as credit in his elective group, or in the ninth grade of any other accredited high school. The student should complete at least *two* units in the first two years of the Senior Training High School, and *two* or *three* units during the last year.

* S—Senior Training High School. J—Junior Training High School. The numbers indicate the numerical order of the semesters when the subject should be taken.

Commerce.	*Units.*
Bookkeeping, S. 1-2	1
Stenography, S. 2-3-4	1
Typewriting, S. 1-2-3	1
Penmanship, S. 1	½
Commercial Law, S. 6	½
Commercial Arithmetic, S. 1	½
Commercial Geography, S. 4	½

Agriculture.	*Units.*
Agronomy, J. 5	½
Animal Husbandry, J. 6	½
Horticulture, S. 1	½
Poultry and Dairying, S. 2	½
Farm Management, S. 3	½
Botany, S. 1-2	1
Physics, S. 5-6	1
Chemistry, S. 3-4	1

English.	*Units.*
English in the group of constants, S. 1-2-3-4	2
English VII, S. 5	½
English VIII, S. 6	½
Oral Expression I, S. 3	½
Oral Expression II, S. 4	½

Foreign Languages.	*Units.*
Latin, J. 5-6, S. 1-2-3-4-5-6	2 or 3
French, J. 5-6, S. 1-2-3-4	3 or 2

Mathematics.	*Units.*
Algebra, J. 5-6, S. 6	1½
Geometry, S. 1-2-4	1½
Advanced Arithmetic, S. 5-6	½
High-school Arithmetic, S. 2	½
Trigonometry, S. 6	½

Science.	*Units.*
Physics, S. 5-6	1
Chemistry, S. 3-4	1
Botany, S. 1-2	1
Physiology, S. 3	½
Algebra, J. 1-2	1
Geometry, S. 1-2	1

Manual Training.	*Units.*
Mechanical Drawing, S. 1	1
Wood Working, S. 1-2	1
Joinery, S. 3	½
Cabinetmaking, S. 4	½
Wood Turning, S. 5	1
Industrial Arts (Drawing), S. 3	½

Home Economics.	*Units.*
Serving	½
Home Problems	½
Free-hand and Construction Drawing,	1
Chemistry	1
Physics	1

FREE ELECTIVES. The student should elect at least from *one-half* to *one* unit of studies each year for no other reason than because he desires to find out whether he likes them, or because he desires to secure a certain breadth of outlook upon life which he thinks the subjects will give him. He should try to enjoy such subjects as much as possible, not because they are to prepare him directly for a vocation or a profession, but because he appreciates their thoughts, enjoys their beauty, or his own activities in pursuing them. He should study them with a playful yet thoughtful attitude of mind.

If the student expects to enter a higher institution of learning he should elect such other subjects as may be required for entrance, which are not included among the constants or in his elective group. The college entrance requirements are: English, 3 units; history, 1 unit; algebra, 1 unit; geometry, 1 unit, science, 1 unit, physical science, 1 unit. These requirements are all accounted for in the list of constants of the Senior High School and of the ninth grade of the Junior High School, except the two units in mathematics. Two of the elective groups require the two units of mathematics.

Each student is required to elect three units from any of the above elective groups outside his own elective group, or from the following list of additional free elective subjects:

ADDITIONAL FREE ELECTIVE SUBJECTS.

	Unit.
Elementary Sight Singing, S. 2	½
Intermediate Sight Singing, S. 2	½
Free-hand Drawing, J. 5-6	1
Girls' Chorus, S. (any time)	½
Men's Chorus, S. (any time)	½
Instrumental Music, S. (any time; private)	1 to 3
Music Appreciation for Beginners	½

	Unit.
Political Geography, S. 4	½
Physiography, S. 6	½
Psychology, S. 6	½
School Administration, S. 6	½
Ancient and Medieval History, J. 5-6,	1
Rural-school Music	½

THE CERTIFICATION FUNCTION OF THE SENIOR TRAINING HIGH SCHOOL.

ONE-YEAR STATE CERTIFICATE.

Since a few students in the Senior Training High School prepare to teach between the period of their high-school work and their college work, provision is made to grant such students a one-year state certificate. Students desiring, when graduating, the one-year state certificate, must submit credit as follows:

English, 3 units.
Algebra, 1 unit.
Plane Geometry, 1 unit.
Bookkeeping or Arithmetic, ½ unit.
Botany or Agriculture, 1 unit.
Physics or Chemistry, 1 unit.
Physiology, ½ unit.
Geography, ½ unit.
History, 1 unit.
Civics, ½ unit.
Psychology, ½ unit.
Methods and Management, ½ unit.
Electives selected with the approval of the principal, 5 units.

The one-year state certificate is not renewable and carries with it privileges of teaching in the rural school only.

PREPARATION FOR SECOND- AND FIRST-GRADE CERTIFICATES.

Candidates for second-grade county certificates must have three units of high-school credit; candidates for first-grade county certificates must have seven units of high-school credit. The subjects in which these credits may be made follow:

English Literature and Composition, 2 units.
Algebra, 1 unit.
Plane Geometry, 1 unit.
Ancient and Medieval History, 1 unit.
Modern History, 1 unit.
Botany, 1 unit.
Physics, 1 unit.
Agriculture, 1 unit.
Latin, 1 unit.
Physical Geography, ½ unit.
Commerial Geography, ½ unit.
Bookkeeping, ½ unit.
Civil Government, ½ unit.
Music, ½ unit.
Drawing, ½ unit.

High School Courses.

Agriculture.

Professor PHIPPS.

AGRONOMY. *One-half unit credit.*

Summer Term, and Each Semester.

Open to Junior and Senior High School students.

A general course in high-school agronomy, covering farm crops, soils, seeds and seed judging. It is the first course in the economic study of farm crops.

ANIMAL HUSBANDRY. *One-half unit credit.*

Summer Term, and Each Semester.

Open to Junior and Senior High School students.

A general course in high-school animal husbandry, covering farm animals, farm poultry, care and management of livestock, problems in marketing, etc., with some work in dairying. It is the first course in the economic study of farm animals.

FARM PRACTICE (with practicums in Poultry, Dairying, and Soils). *One-half unit credit.*

First Semester.

Prerequisite, one term of high-school agriculture. Open to Senior High-school students only.

A general course in farm practice along the lines of poultry production, dairying, and soil management and improvement. Largely laboratory work and practicums. Farm boys are urged to take this course, but the course is also open to girls.

HORTICULTURE AND GARDENING. *One-half unit credit.*

Second Semester.

Open to Senior High School students only. No prerequisite.

A general course in orcharding and gardening. Orchards are studied, trees are pruned, and diseases are controlled. Gardens are made and cared for during the course. A valuable and practical course for the high school student.

Manual Art.

Professor BRAUCHER.

ELEMENTARY MECHANICAL DRAWING. *One-half unit credit.*

Summer Term, and Each Semester.

A course in the elements of mechanical drawing, including exercises in the use of instruments, geometric constructions, free-hand lettering, orthographic projection of simple solids at various single angles, and the application of orthographic projection in making working drawings, tracings and blue prints.

ADVANCED MECHANICAL DRAWING. *One-half unit credit.*

A continuation of the above course, giving practice in orthographic projection of more complicated objects, and in double angles; surface developments, sections, isometric and cabinet projections, shadows, and some application of the principles of practical drafting.

ELEMENTARY WOODWORK. *One-half unit credit.*

Summer Term, and Each Semester.

A course in wood construction suited to the intermediate and lower grammar grades. Work with tools at the bench will be required. Simple models selected to illustrate and give practice in the use of the common woodworking tools will be made.

ADVANCED WOODWORK. *One-half unit credit.*

A continuation of the above course, dealing with the models appropriate for the grammar grades. Work requiring greater skill in the use of tools will be selected, and students will be expected to plan and execute several original or adapted models, in addition to those in an assigned course.

JOINERY. *One-half unit credit.*

Summer Term, and Each Semester.

A course beginning with a series of joint exercises illustrating the common point in wood construction and continuing into the application of some of these in appropriate models.

CABINETMAKING. *One-half unit credit.*

A course in advanced woodworking, dealing with models requiring more accurate use of the tools. Some attention will be given to the lines and decorations, with the methods of securing pleasing effects through wood combination, inlaying and simple carvings.

WOOD TURNING. *One-half unit credit.*

A beginning course in wood turning, with instructions on the care and uses of the lathe; practice in the sharpening of the usual turning tools—chisels, gouges, parting tools, etc. The students will be required to make a series of exercises between centers on the lathe, beginning with the cylinder, through progressive modification, showing the characteristic uses of the tools; followed by the turning of several useful pieces for further practice in the uses of the lathe.

ADVANCED WOOD TURNING. *One-half unit credit.*

A continuation of the above course, giving further study to the lathe and its uses, including problems in hollow turning, faceplate and chuck work, as illustrated in the making of rosettes, boxes, goblets, etc.

PRINTING I. *One-half unit credit.*

Summer Term, and Each Semester.

In this course the rudiments of the art of printing are taught Practice is given in setting type, reading and correcting proof, making up forms, and feeding a job press.

PRINTING II. *One-half unit credit.*

Summer Term, and Each Semester.

This course is a continuation of course I, and in addition some time is given to the study and practice of setting advertisements, posters, and fancy jobs.

Home Economics.

MEAL PLANNING AND SERVING. *One-half unit credit.*

Open to 9B and 9A students.

This course includes the study of the family budget, with special consideration given to the amount used for food. A study is made of the care and equipment of the dining room and kitchen. The meals are served in the family apartment.

SEWING. *One-half unit credit.*

This course includes a study of textiles, hand and machine sewing, pattern drafting, the making of garments, and the study of color and design as applied to style. Fee, 50c.

HOME PROBLEMS. *One-half unit credit.*

This course includes the study of various home problems, including sanitation of the house, home nursing, invalid cookery, the diet of the infant and young child, and the management of the home. Meal Planning and Serving is prerequisite to this course. Fee, $2.

Commerce.

Professor PARKE.
Mr. CREMER, Instructor.

BOOKKEEPING I. *One-half unit credit.*

Summer Term, and Each Semester.

The elementary principles of bookkeeping are studied, and applied in the use of the journal-daybook, cash book, sales book, and ledger. Thorough drill is given in the opening and closing of accounts and in making trial balances and statements. The course includes simple business practice.

BOOKKEEPING II. *One-half unit credit.*

Each Semester.

Prerequisite, Bookkeeping I. The student handles a large number of business forms and uses school currency. Special attention is given to the classification of accounts and to making business and financial statements.

BOOKKEEPING III. *One-half unit credit.*

Prerequisite, Bookkeeping II. This course includes the accounts of a large businesss in which subsidiary ledgers, special-column books, and very comprehensive forms of business and financial statements are used.

PENMANSHIP I. *One-half unit credit.*

Summer Term, and Each Semester.

No prerequisite. Study of correct position. Muscular movement is used and drills given for the mastery of movement. Development and analysis of both capitals and small letters and of figures. The aim is to develop a rapid and legible handwriting.

COMMERCIAL LAW. *One-half unit credit.*

Each Semester.

It is the aim of this course to present clearly the more important points of business law that are likely to arise in everyday affairs. The leading principles of contract law, illustrated by references to court decisions, are studied, and their application to practical matters is shown. Open to seniors.

TYPEWRITING I. *One-half unit credit.*

Each Semester.

Beginning with a mastery of the keyboard by the touch method, the student is given a series of progresssive exercises in writing words, sentences, and business letters, leading to the acquisition of practical speed and accuracy in writing ordinary business and literary matter.

TYPEWRITING II. *One-half unit credit.*

Each Semester.

Prerequisite, Typewriting I. Continued drill is given to attain speed and accuracy. Business letters, common legal and business papers, and tabulating exercises are given. The student is trained to write smoothly and rapidly, and without error, any kind of miscellaneous matter or business documents.

STENOGRAPHY I. *One-half unit credit.*

Summer Term, and Each Semester.

No prerequisite. Mastery of principles is the principal aim in this course. Careful attention is given to the correct formation of characters and outlines, and constant drill given in reading and shorthand notes. Suitable dictation is given from the beginning.

STENOGRAPHY II. *One-half unit credit.*

A continuation of course 1. A gradual increase of speed is sought, but is made subordinate at all times to legibility of notes. Shortening principles, phrasing, and transcriptions are taken up in a series of progressive exercises.

STENOGRAPHY III. *One-half unit credit.*

A continuation of course II. This course includes advanced speed practice, with drills in rapid reading and transcription of notes.

STENOGRAPHY IV. *One-half unit credit.*

Continuation of course III. Designed to give the student skill to take rapid dictation and transcribe with accuracy and correctness.

Drawing.

Miss MORRISON, Instructor.

The courses of art education in the high school aim to familiarize the student with fundamental art principles, to create a love for the beauties of nature, and skill in drawing and construction.

ELEMENTARY FREE-HAND DRAWING I. *One-half unit credit.*

Summer Term, and Each Semester.

This course requires five hours a week for one semester with one hour in the afternoon for preparation and study. It consists of free-hand drawing in outline from models—forms of pottery, books, boxes, plants, trees, buildings, etc. The materials used are, pencil, charcoal, colored crayons, white and tinted papers, blackboard. Silhouette drawings of flowers, trees, animals, and the human figure in action are made with brush and India ink. This course includes simple problems in design applied to book-covers, portfolios, etc., also lessons in printing, and the elements of book binding.

INDUSTRIAL ART. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisite, Free-Hand Drawing I. The primary object of this course is to develop an appreciation of design and color, when applied to problems of everyday life; to cultivate good taste in home furnishings and wearing apparel; to exercise creative ability and gain a knowledge of processes and materials used in the industries. It includes problems in reed and raffia, book binding, modeling, enamel paints, costume and interior decoration.

English.

Professor BARRETT.
Miss ASKEW, Instructor.

Six semesters of English are required. They must be taken in the order in which they are numbered except that the student may elect between 5 and 6. With the approval of the head of the department, one of these courses may precede 4.

Each course stands distinctively as a composition course or as a literature course, yet the two phases of English work are not entirely divorced. Some literature is used in the constructive courses, and both oral and written reports are required in all courses in literature. A great deal of attention is paid to oral composition, primarily for its own sake rather than because of its important relation at times to the written work required.

Literature is studied rather than a textbook about literature. The history and biography are made merely incidental, being used only as a background. The library furnishes an abundant supply of histories of literature, and the students are referred to them for any desired information of that nature. In place of studying by the chronological or period plan, or by making artificial distinctions between American and English literature, the students study types of literature. In each case they are introduced first, in so far as it is possible, to the best efforts of the present-day writers, and later to the classics of earlier times. The underlying idea is to arouse in the student an appreciation of good literature and a real liking for it, rather than to make the courses dominantly informational.

1.—COMPOSITION AND GRAMMAR. *One-half unit credit.*

Summer Term, and Each Semester.

To make the study of English Grammar practical and profitable is the aim of this course. Stress is laid on principles that affect speech and writing, and themes are assigned that require immediate use of these principles. Students are induced to use their reasoning faculties instead of their memories. A study is made of their own language rather than the language of the classics. Methods and suggestions for the presentation of the subject to beginners are frequently made. Some good prose is required to be read during the course.

2.—NARRATION AND DESCRIPTION. *One-half unit credit.*

Each Semester.

Prerequisite, course 1. This course corresponds roughly to the second year's work in composition as outlined in the state course of study. The rhetorical structure of the sentence and economy and accuracy in the use of words receive special attention. The subjects for composition are largely narrative and descriptive, and the principles of this composition are derived from the study of fiction.

3.—NARRATIVE PROSE AND POETRY. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisite, courses 1 and 2. This course follows as closely as seems practicable the first year's work in literature in the state course of study. The simpler narratives are selected from the representative poets and prose writers of England and America. Only

so much of technique is taken up as will increase the appreciation and enjoyment of the reading. An effort is made to develop the critical powers of the student and to sharpen his discernment of what is good. Reports, both oral and written, are made by the student on extensive outside reading.

4.—Exposition. *One-half unit credit.*

Each Semester.

Prerequisite, courses 1, 2, and 3. The work done in this course is quite similar to that outlined for the composition work in course A for the fourth year's English work in the state course of study. Emphasis is placed largely upon oral and written explanations of things which the individual pupil is using in his life outside the English classroom or which appeal most strongly to his interest. Proper organization of material is made the dominant element in the course. This is stressed in the thoroughgoing work on paragraph development and the study of the entire theme. There is careful consideration of the gathering of material, the making of logical outlines, and the writing or speaking from these outlines. Well-edited magazines and newspapers are used almost entirely as models in the study of applying the principles of rhetoric to composition.

5.—Drama and Poetry. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisite courses 1, 2, and 3. This course is practically the same as that outlined for the third year's work in literature in the state course of study. Three or four plays are carefully studied in class, and others are assigned for outside reading. The plays are approached as much as possible from the viewpoint of presentation. The general artistic and moral effect sought by the dramatist is emphasized, and textual criticism is reduced to a minimum. Pleasure and satisfaction from reading the plays is sought rather than scholastic information in regard to structure and sources. An effort is also made in this course to develop some appreciation of the lyric. The whole field of poetry in English and American literature may be drawn on for material, but the principal stress is placed on poems that deal with conditions and emotions familiar to the student, hence with modern poems.

6.—Novel and Essay. *One-half unit credit.*

Each Semester.

Prerequisites, courses 1, 2, and 3. This course covers the work outlined in literature for the second year in the state course of study, but is somewhat broader in its scope. Special emphasis is placed in this course on modern essayists and novelists, the aim being to train the student to discriminate intelligently in his present-day reading, and appreciate and enjoy real literature. The great works of authors of the past, however, are also studied.

7.—Argumentation. *One-half unit credit.*

Summer Term and Each Semester.

Prerequisites, courses 1, 2, and 3, and two semesters of literature. As Argumentation is made the final course in English, it serves as a review of constructive work as well as a study of argument. Considerable emphasis is placed upon practical phases of writing, such as business and social correspondence. Various forms of written argument are considered, but most stress is laid upon oral types, informal discussions as well as formal debates on subjects of current and school interest being used. Well-edited magazines are made a basis for some of this work.

8.—Oral English. *One-half unit credit.*

Each Semester.

This beginning course gives a general survey of the field of public speaking and expression. Its aim is to create within the student correct speech habits as to language, voice, pronunciation and thought process. The course includes much drill in mechanics and in platform work in expression, extemporaneous speaking, debate story telling, sight reading and dramatic work.

Geography.

Miss Atwood.

Physiography. *One-half unit credit.*

First Semester.

A study of land forms and of the atmosphere, of the agencies that have affected the earth's features or that are now changing them. Attention is always given to geographic influences upon life and upon history. The laboratory work consists of the study of topographic maps, visits to the museum, and field trips.

Political Geography. *One-half unit credit.*

Second Semester.

A general course in common-school geography, made more intensive than is ever possible in the grades. This course is a study of the most important countries of the world. Emphasis is laid on the physical basis for the development of the agriculture of any nation, and a knowledge of natural resources as a basis for industrial development. Many special references are given.

Commercial Geography. *One-half unit credit.*

Summer Term, and First Semester.

A study of the world's chief commercial commodities and the factors influencing their production, distribution and development. Text, Robinson's Commercial Geography.

History and Civics.

Ancient and Medieval History I. *One-half unit credit.*

This course deals with the early struggles of man toward civilization; the development of the early political institutions and their influence upon later civilization. The more intensive work of the period is devoted to the history of Greece and Rome and a study of their problems and their influence upon world history.

Ancient and Medieval History II. *One-half unit credit.*

The work in this course begins with the German invasion and extends to 1600. A very careful study will be made of medieval institutions; the growth and development of the nations formed from the disorganized Roman Empire; the Protestant Revolt; the intellectual awakening and the beginnings of the struggle of the people for political rights. Special emphasis will be placed upon the study of the social, economic and political problems of England and France.

Contemporary World History.

The purpose of this course is to acquaint the students with world problems and the interpretation of these problems by the nations of the world; to study the problems of organization, development and progress of the social, economic and political life of the people.

CONTEMPORARY WORLD HISTORY I. *One-half unit credit.*

A brief study will be made of the reorganization of the Roman Empire into the separate political bodies, including great movements and institutions, namely, feudal system, crusades, medieval church, towns, schools. Special emphasis will be laid upon the period of exploration. The intensive work of the course will begin with the colonization period about 1600 and extend to 1871. An effort will be made to make this course a study of world history.

CONTEMPORARY WORLD HISTORY II. *One-half unit credit.*

This course will deal with the social, economic and political development of the people of Europe, Asia and America from 1871 to the present time. It will include colonial expansion and policies of the nations during the latter part of the nineteenth and the beginning of the twentieth centuries; the eastern problems; causes of the Great War and the problems of reconstruction. Particular attention will be given to current topics.

AMERICAN HISTORY.

Since it is essential for every American citizen to be familiar with the history of the growth and development of the institutions of his country and the social and economic life of the people, this course is offered that the students of the high school may have the opportunity of studying the history of the institutions and the people of America.

AMERICAN HISTORY I. *One-half unit credit.*

This course begins with 1789 and extends to 1865. The exploration and colonial periods are dealt with in the course in Contemporary History. Special attention will be given to the problems of the organization of the government under the federal constitution; foreign relations; the growth of the West; the federal government versus state government; the social, economic, political problems of the North, South, East and West; the Civil War.

AMERICAN HISTORY II. *One-half unit credit.*

From 1865 to the present time. A careful study will be made of the political, social and economic problems of the reconstruction period; problems of big business interests, progressiveness of the West; United States entry into world problems after the Spanish American War; the Great War and its problems of reconstruction. A comparative study of Canada and other American countries with the United States will be made. Special emphasis will be placed upon current events and present-day problems.

CIVICS (THE PROBLEMS OF AMERICAN DEMOCRACY).

This is the culminating course of social study in the last year of the Senior Training High School. Its purpose is to give, without bias or prejudice, a more definite and comprehensive knowledge of the important industrial, social and political problems of American democracy. A serious attempt will be made to develop the citizenship bearings of all problems studied.

CIVICS I. *One-half unit credit.*

This course will include the study of several concrete examples, illustrating the principles of production, consumption, exchange, distribution, public finance, conservation of natural resources; problems of labor and industry, including labor unions, the organization of capital, industries and transportation, and the government regulation of the same. Some attention will be given to the study of general and vocational systems of education.

CIVICS II. *One-half unit credit.*

This course will include such social problems as farm tenantry, farmers' organizations, rural social centers, rural education, immigration, private and public charities, social settlements, slums, the sweating system, tenements, individual and social degeneracy, the factory system, dependent children, the juvenile court, the unemployed and homeless poor, the tramp problem, criminal classes, prison reform, philanthropy, religious organizations and the institutional church. In the light of the study of the foregoing problems of courses I and II, the services rendered by the various branches of the state and national governments will be considered at length.

Languages.

LATIN.

Professor HOLTZ.
Miss LAVERY, Instructor.

The object of the courses in Latin is to acquaint the student with the life and language of the Roman people in their relation to the life of the present day. The great civilization centering in the "Eternal City," from which come modern law, military tactics, great literature, and the chief thought words of the English language, is fundamental in the interpretation of modern life. Aside from the study of the mother tongue, no subject in the curriculum can be so basal to the work of every department as Latin.

BEGINNING LATIN I. *One-half unit credit.*

Each Semester.

The course completes one-half the text, with attention to declensions, conjunctions of the indicative mode, comparisons, etc. Stories from mythology and legendary Roman history are introduced early. The subject is correlated with English grammar, and thereby the student is made more familiar with his mother tongue. Open to students without previous knowledge of Latin. Text: Smith's Latin Lessons.

BEGINNING LATIN II. *One-half unit credit.*

Second Semester.

Last half of the Smith text completed. Special attention is given to the subjunctive and to reviews. The course concludes with some of the easier selections from Cæsar's Gallic War. Open to those who have had Latin I and to those who desire a review.

CÆSAR I. *One-half unit credit.*

Each Semester.

A study of Books I and II. The present World War had for its western campaign practically the same theater as that of the first three campaigns of Cæsar in Gaul. In this respect the two wars are kept constantly correlated. The masterful generalship of Cæsar affords great interest. The student learns that the Teutonic ambition for territory westward is by no means recent. This course affords a basis for extended translation, with stress laid on case usage. Texts: Walker's Cæsar, Bennett's Grammar, Baker and Inglis' Composition, part I.

CÆSAR II. *One-half unit credit.*

Summer Term, and Second Semester.

Books III and IV of the Gallic War. Prose composition continued from Cæsar I. The principles of Latin syntax are more firmly grounded, especial attention being given to the modes. Cæsar's Gallic campaigns and the initiatory campaign in Britain mark the advent of the Roman element into French and English civilization. Texts: Same as for Cæsar I.

CICERO I. *One-half unit credit.*

First Semester.

The four orations against Catiline. Ciceronian eloquence and its influence on modern oratory. The conspiracy of Catiline with reference to Roman social and political life, and comparisons with modern social conditions. Careful study of syntax, with especial attention to conditional sentences, analysis of each oration, and prose based on the text. Texts: D'Ooge's Cicero, Bennett's Grammar, Baker and Inglis' Composition.

CICERO II. *One-half unit credit.*

Second Semester.

Orations for Pompey, Archias and Marcellus. An investigation of Roman political institutions and advanced study of syntax. Prose composition continued. Texts: Same as for Cicero I.

VIRGIL I. *One-half unit credit.*

Summer Term, and First Semester.

The translation of Books I to III of the Æneid. The beauty of ancient literature, the rhythmic movement of the hexameter and the poetic nature of Roman life reach their highest form in this great epic. Some study of scansion and mythology; short papers and reports on related topics, correlation with English literature. Text: Knapp.

VIRGIL II. *One-half unit credit.*

Second Semester.

Translation of Books IV to VI, inclusive. Supplementary mythology. The author's place in literature. The Æneid as a whole. Papers and reports.

FRENCH.

Professor DUDLEY.
Miss LAVERY, Instructor.

Language study belongs to the high school rather than to the college, because it calls to a great extent for memory and imitation. The pupil will save time in the end by devoting as early a period of his school life as possible to language study, and by leaving the sciences to a relatively later period. The drill in accuracy, observation and analysis required in language work will be a strong aid in later work in science.

The study of foreign language has one or more of threee main values: Disciplinary, cultural, and practical. To give a sentence correctly in a foreign language requires accuracy and rapidity of thought, close observation, and careful analysis of both foreign and native language, for each word must be correct in itself and have the proper place in relation to other words in the sentence.

ELEMENTARY FRENCH I. *One-half unit credit.*

First Semester.

Texts: Rosenthal and Chankin's Grammaire de Conversation et Lecture, twenty lessons, and Harvitt's Contes Divers, ten pages. The course includes special drill on correct pronunciation by means of phonetics; larger vocabulary developed by conversation from everyday life; also practice in memorizing and writing from dictation. Work done largely in French.

ELEMENTARY FRENCH II. *One-half unit credit.*

Second Semester.

Prerequisite, Elementary French I or its equivalent. Rosenthal and Chankin's Grammaire de Conversation et de Lecture through Lesson XL; Harvitt's Contes Divers completed. Further development of vocabulary by conversation and pictures. Drill in pronunciation, memorizing of poetry; also dictation and free composition continued in this course. Work done largely in French.

SECOND-YEAR FRENCH I. *One-half unit credit.*

Each Semester.

Prerequisite, one unit of high-school French. Rosenthal and Chankin's Grammaire de Conversation et de Lecture completed. Grammar reviewed and phonetic drill continued. Dictation and reproduction of simple French, composition, and further memorizing of prose and poetry. Josselyn and Talbot's Elementary Reader of French History, and Square-roofed Paris Method of Geography studied. Work done entirely in French.

SECOND-YEAR FRENCH II. *One-half unit credit.*

Each Semester.

Prerequisite, one and one-half units of high-school French. Dictation, letters, short compositions written upon topics discussed in class. History and geography of France, current events from French periodicals and newspapers. Halevy's L'Abbe Constantin and other classics read. Class conducted entirely in French.

MATHEMATICS.

Professor LINDQUIST.
Associate Professor ELLIS.
Mr. KELLER, Instructor.

HIGH-SCHOOL ARITHMETIC. *One-half unit credit.*

Summer Term, and Each Semester.

Drill in the fundamentals with integers and fractions, common factors and multiples, and square root. Denominate numbers, including the metric system. The fundamentals of mensuration; *i. e.*, area of square, rectangle, parallelogram, triangle, trapezoid, and circle; volume of rectangular solid, pyramid, prism, cylinder, cone and sphere. Pythagorean proposition and its applications. Problems in analysis and simple proportion, and its general applications to concrete problems. Percentage and its general applications. Business application of percentage, interest, commercial discount, bank discount, commission, taxes, insurance, stocks and bonds, longitude and time.

ALGEBRA I. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisite, course 1, or a good foundation in arithmetic. The notion of general number developed through formulas; *e. g.* i=prt, d (distance) = rt. Positive and negative numbers, their sum and their difference. Exponents and their laws, the four fundamental operations and factoring. Linear equations in one variable. Applications.

ALGEBRA II. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisite, course 2. Factoring, solution of equations by factoring; fractions and fractional equations. Systems of linear equations and graphs. Square root, surds and the simple facts of imaginary numbers necessary to the quadratic equation. Quadratic equations solved by the three methods, with applications. Ratio and proportion.

PLANE GEOMETRY I. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisite, course 3. Triangles, parallel lines, quadrilaterals, polygons, loci and circles. Methods of attacking exercises.

PLANE GEOMETRY II. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisite, course 4. Ratio and proportion, similar figures, areas, regular polygons and circles. Applications of geometry to practical problems.

SOLID GEOMETRY. *One-half unit credit.*

Summer Term, and Second Semester.

Prerequisite, course 5. Elective in secondary school. For description see course 4 under Collegiate Mathematics.

ADVANCED ARITHMETIC. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisites, one year each of algebra and geometry. For description see course under Collegiate Mathematics.

ALGEBRA III. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisite, course 5. For description see course 3 under Collegiate Mathematics.

Music.

ELEMENTARY SIGHT SINGING. *One-half unit credit.*

Deals with the elements of vocal music, and through rote singing develops the ability to sing by syllable.

INTERMEDIATE SIGHT SINGING. *One-half unit credit.*

This course should follow Elementary Sight Singing. It leads through two-part work to independent sight singing of soprano. alto or tenor parts.

RURAL-SCHOOL TEACHER'S MUSIC. *One-half unit credit.*

A course for teachers in rural schools who wish to introduce music. It includes rote singing, simple sight singing, community music and suggestions for the use of the Victrola.

APPLIED MUSIC (PIANO, VIOLIN, VOICE). *One-fourth unit credit.*

Private half-hour lessons for beginners and students of intermediate grade. Special rate to high-school students of fifty-seven cents per lesson. Individual instruction in band instrument at seventy-five cents per lesson. Three lessons per week carry one-fourth unit credit.

MUSIC APPRECIATION FOR BEGINNERS. *One-half unit credit.*

A course in how to listen to music, designed for students who are not specializing in music but desire to know and enjoy the standard vocal and instrumental compositions.

Physical Training.

FOR BOYS.

GYMNASIUM COSTUME. The regulation costume is worn in all classes. It consists of a white sleeveless shirt, white track pants and white tennis shoes. The suit complete can be secured from local dealers at a cost of $2.50.

REQUIRED. Three hours a week for four semesters. The credit given will count as half a unit toward graduation and the one-year state certificate, but not for college entrance.

As the work in physical training varies with the season, the semester is divided into two terms of nine weeks each. Work must begin upon entering school, and the student is required to complete it during the first two years unless he is excused by the Director. As the midwinter is best for gymnastic work and the fall and spring for athletic sports, the student is advised to take his work in that order.

1.—ELEMENTARY GYMNASTICS. Marching tactics, free-hand and light appartus exercises and gymnastic games. Special attention is given to the correction of faulty posture and carriage of the body.

2.—INTERMEDIATE GYMNASTICS. Body-building and corrective exercises, gymnastic dancing steps, heavy apparatus exercises, and elementary tumbling.

3.—ADVANCED GYMNASTICS. Offered the third and fourth terms to those prepared to take up athletics and folk dancing, individual and companion tumbling, and difficult exercises upon the heavy apparatus.

4.—FOOTBALL. Given during second ten weeks only, to men in good physical condition as shown by physical examination. The squad is divided into teams according to ability.

5.—SOCCER FOOTBALL. Given in season. Individual and team practice. Valuable both as a vigorous game demanding speed and endurance, and as a preparation for track athletics and basket ball.

6.—BASKET BALL. Classes are organized each semester of the year. The A. A. U. game is taught to elementary classes and the intercollegiate game to the first and second teams. An interesting series is played.

7.—BASEBALL. Given in season. Individual and team practice. The squad is divided into teams graded according to ability.

8.—TRACK AND FIELD ATHLETICS. Given in season only to men in good physical condition as shown by physical examination. Cross-country running is given in season.

9.—TENNIS. Given in season. Tournaments in both singles and doubles are held during first and fifth ten weeks.

10.—SWIMMING. Elementary and advanced instruction is given throughout the year.

11.—INSTRUCTION IN PERSONAL HYGIENE will be included as a part of the physical training course in both Junior and Senior High Schools.

FOR GIRLS.

The aim of this department is twofold:

First, to bring each student to her best possible physical condition, and by a careful system of gymnastic training to correct faulty postures and carriage, to aid in the formation of habits of hygienic living, to establish a normal condition in the circulatory and respiratory systems, to secure bodily vigor, and to obtain a healthful and symmetrical development rather than to secure the greatest increase in muscular power.

Students are under the care of teachers who have had thorough medical training, and will be given special medical or corrective exercises prescribed according to individual needs as indicated by their physical examinations.

In order that the effect upon the muscles may be lasting and best results obtained, students will not be excused from physical training until the required courses are satisfactorily completed, but the work will always be adapted to the individual needs.

Second, to qualify as teachers to intelligently consider the physical needs of their pupils, and to direct in the schoolrooms daily exercises which will prevent or help to correct physical defects; also to teach in their playground, athletics, games, and folk dances.

REQUIRED. Three periods of work per week in gymnastics, athletics or other elective work during the first two years of work in residence gives one-half unit credit, which may apply on requirements for graduation and one-year state certificate, and for the high-school diploma, but not for college entrance.

Of this requirement, one-fourth must be in athletics or other elective work, but the other three-fourths must be regular gymnasium class work, which consists of marching tactics, free-hand or light hand-apparatus exercises, games or fancy steps. A semester of gymnastics must be completed before a student may substitute elective work.

GYMNASIUM COSTUME FOR WOMEN. A regulation costume is worn in all the classes. This consists of a black serge gymnasium suit and broad-toed tennis shoes. In order that the suits may be uniform and hygienic, students on arrival are advised to report to the Director's office, where second-hand suits of outgoing students will be sold for about four dollars, or new ones may be ordered for five dollars. Only regulation suits will be allowed on the floor.

1.—ELEMENTARY GYMNASTICS. Required of all beginners. Three periods per week. Marching, calisthenics, hand apparatus, and games.

2.—INTERMEDIATE GYMNASTICS. Required of all students who have completed course 1. Three periods a week for at least one semester. Continuation of course 1.

3.—CORRECTIVE GYMNASTICS. Open to all students who have need of the remedial work. Special attention is given to those having spinal curvature, round shoulders, narrow chests, forward heads, weak backs, pronated ankles, or other physical weaknesses.

4.—OUTDOOR SPORTS. Open to all high-school students who have completed two semesters of gymnastics. One or two periods a week, in the spring and fall. In this course are taught a variety of games,

including baseball, soccer, playground ball, cross ball, track athletics, and relay racing.

5.—Basket Ball. Open only to those students who are physically qualified and who have completed course 2 or 3. One period a week.

6.—Baseball. One period a week in the second half of the second semester.

7.—Hockey. One period a week in the fall.

8.—Tennis. Open to all students having the privilege of electing athletics. One, two, or three periods a week.

9.—Swimming. One lesson a week is allowed each student.

10.—Esthetic Dancing. (Elementary.) Two periods a week. The purpose of this course is to develop grace and freedom of movement. The classic dancing is emphasized and is now considered one of the most important phases of the gymnastic exercises.

11.—Folk Dancing. (Elementary.) One period a week. In this course are taught the simplest peasant and national dances suitable for recreative and exhibition work with children.

12.—Esthetic Dancing. (Intermediate.) Two periods a week.

13.—Folk Dancing. (Intermediate.) One period a week.

14.—Indian Clubs. Two periods a week.

15.—Personal Hygiene. A course in personal hygiene will be offered to the Junior and the Senior high-school girls. It will be substituted for one period of gymnastics each week. The course will be made to work in with the gymnastics, teaching the physiology of good position, cleanliness, fresh air and regular exercise, etc.

Science.

BOTANY.

Associate Professor Agrelius.

Elementary Botany I. *One-half unit credit.*

Summer Term, and Each Semester.

Topics considered: A study of the so-called lower plants, with especial emphasis on bacteria and their relation to health, to the preservation of foods, and to soil production and fertility; a similar treatment of fungi, and the origin and nature of a seed. The method is strictly developmental throughout. Text: Bergen and Caldwell's Introduction to Botany. A deposit of seventy-five cents is required in each of these courses to guarantee the return of apparatus entrusted to the student.

Elementary Botany II. *One-half unit credit.*

Summer Term, and Each Semester.

The previous course will be continued, with a comparative study of seeds, their germination, their structure and contents; the general structure and work of plants—their roots, stems, and leaves, and the significance of these; plant products and industries connected with them; a consideration of some of the leading families of plants; their uses, characteristics, and distribution; plant improvement, including plant breeding. This study includes field and laboratory work, illustrated lectures, class discussion, and recitations. No credit is given for either of these courses without the other. Text and deposit the same as in Botany I.

CHEMISTRY.

Mr. Van Voris, Instructor.

CHEMISTRY I. *One-half unit credit.*

First Semester.

A study of the principles and laws of the science, with something of its history. This course will include a detailed study of the most typical nonmetallic elements and of some of the more useful metals. It will also cover an introduction to the study of some of the simpler and more familiar organic compounds. The student becomes familiar with such laboratory methods of filtration, evaporation, precipitation, neutralization, distillation and weighing as will give him facility in analysis in the work of the second semester. Text: Olson's Pure Foods. Laboratory fee, $1.

CHEMISTRY II. *One-half unit credit.*

Second Semester.

Practical analysis is continued throughout the semester. The work includes both qualitative and quantitative analysis of such familiar things as tea, coffee, baking powder, vinegar, fruit juices, water, milk, foods—including tests for adulteration, preservatives, artificial colors and flavors. The chemistry of dyeing and stains receives attention. The more common remedies and patent medicines are examined. The course is elastic enough to allow it to be adapted to the needs of the class and the interest of the individual student. Text. Allyn's Elementary Applied Chemistry. Laboratory fee, $2.

PHYSICS.

PHYSICS I. *One-half unit credit.*

Summer Term, and Each Semester.

Properties of matter, motion; characteristics of liquids and gases, work, energy, and heat. The needs and interest of the pupil are kept constantly in mind. The subject is adapted to the pupil instead of adapting the pupil to the subject. During the year the class visits the ice plant, gas works, street railway and railroad car shops, foundry, steam and water mills, telephone exchange, waterworks, heating and ventilating plants, and such other places of interest as opportunity offers.

PHYSICS II. *One-half unit credit.*

Summer Term, and Each Semester.

Magnetism, electricity, sound and light. Students having special aptitude are given opportunity to do extra work, such as making motors and dynamos, batteries, erecting telephone and telegraph systems and wireless telegraph stations. They study and test the efficiency of machines, hot-air and gas engines. An abundance of apparatus, selected with reference to the needs of the pupils, is used by the instructor in demonstrating the class work and by the pupils in the laboratory. Text: Black and Davis' Practical Physics.

PHYSIOLOGY.

HYGIENIC PHYSIOLOGY. *One-half unit credit.*

Summer Term, and Each Semester.

A good working knowledge of anatomy and physiology is given the student, but special emphasis is placed upon hygiene in all its phases. The pupil is taught those conditions that tend to the best development and health. To this end the subjects of food, circulation, respiration, excretion, exercise, athletics, etc., are con-

sidered, with special reference to the needs of the individual. The cause, prevention and treatment of the more common diseases are fully treated. The aim of this course is to enable the pupil to care for his body properly rather than to commit to memory a large number of technical terms or even to be able to write a specified number of rules of health. Conn and Buddington's Advanced Physiology and Hygiene.

GENERAL SCIENCE.

Mr. VAN VORIS, Instructor.

GENERAL SCIENCE. *One unit credit.*

Each Semester. For 9B and 9A students.

The first part of the year's work includes a study of the atmosphere, its composition and physical characteristics, weather, humidity and purity of the air, bacteria, molds and insects in relation to the health of the individual and the sanitary condition of the community.

This is followed by a study of the laws of gases, elasticity, simple machines, magnetism, electricity, sound and light as illustrated in the mechanism and operation of the automobile. Experiments performed by the student in the laboratory and shop supplement the work throughout the year.

PSYCHOLOGY.

Mr. SMITH, Instructor.

ELEMENTARY PSYCHOLOGY. *One-half unit credit.*

Summer Term, and Each Semester.

Psychology is taught from the point of view of the intending teacher, and as many as possible of the illustrations and applications of the various subjects discussed are drawn from the schoolroom and its problems. Pupils are asked always to draw their illustrations from their own experience. Text: Phillips' An Elementary Psychology.

SCHOOL ADMINISTRATION.

Professor CULTER.

RURAL-SCHOOL MANAGEMENT. *One-half unit credit.*

Summer Term, and Each Semester.

This course is organized for secondary school students who expect to do more or less teaching before entering their college work. It consists of a study of school site and grounds, house and equipment, school hygiene and sanitation, preparation and personality of the teacher, first day, daily program, play and playgrounds, school government, school incentive, school ethics, the recitation, how to study, library and its use, agriculture in the country school, consolidation and rural-school problems.

SUMMARY OF STUDENTS.

GRADUATE STUDENTS.

*Summer School only 1918.

*Barnes, Mrs. Nora Prescott; Alton.
*Dunn, Perry; Jetmore.
*Everly, Garnet Mabel; Emporia.
*Fauley, Edna Iva; Ingalls.
Ferguson, Lulu; Sterling.
*Forman, Elizabeth; Independence.
*Hetherington, Arthur; Emporia.
*Hodges, Clara Frances; Ottawa.
Homfeld, Frieda Clara; Ottawa.
*Hostetler, Mary; Wellsville.
*Hunter, Myrtle Catherine; Emporia.
*Jeremy, Ruth Helen; Emporia.
*Kauffman, Gertrude; Valley Falls.
*Keith, Eleanor; *Byers, Okla.*
*Lyon, Ruth Marie; Emporia.
McCollough, Edna; Emporia.
McNabney, Grace; Coffeyville.
Meeker, Olinda; Emporia.
*Patton, Fannie Orena; Topeka.
*Phenice, Mary Kathryn; Reno.
Pierce, Mae Anna; Emporia.
Prentice, Etta Collins; Emporia.
Prince, Lucile Caroline; Ottawa.
*Pyle, Fern D.; Emporia.
Rogers, Alice Inez; Emporia.
Rudisill, Stella Marsh; Kincaid.
*Shirkey, Emily Frances; McPherson
*Smith, Mary Louise; Mt. Hope.
*Smith, Violet; Salina.
*Starbeck, Catherine; Emporia.
*Stephens, Myrtle; Emporia.
*Strickler, Ruth Lillian; Arundel.
Swan, Mary C.; Emporia.
*Tufts, Gladys Ruth; Abilene.
*Wallace, Ray; Emporia.
*Weatherly, Marie; Emporia.
*Whitby, Lillian; Emporia.

THE COLLEGE.

Completed Work for Degree of Bachelor of Science in Education, July 26, 1918.

Armour, Isa; Emporia.
Armstrong, Eva Martha; Wathena.
Atkeson, George L.; Yates Center.
Bertschinger, Mary Louise; Hope.
Bowman, Melvin Edward; Benedict.
Brown, Elizabeth Tenaxi; Emporia.
Brown, Harry Holmes; Piqua.
Brown, Leroy Earle; Attica.
Bryan, Earl Charles; Moran.
Bursch, Charles Wesley; Buffalo.
Conrad, Effie Constance; Windom.
Cox, Pearl Mary; Wichita.
Eakes, Alice; Leon.
Geelan, Norah; Lecompton.
Gluklick, Sadie; La Cygne.
Harr, Mabel Alice; Emporia.
Hetzel, Arthur J.; Waverly.
Hinkle, Elmer Denman; Wilmore.
Kane, Mabel Edna; Parsons.
Lore, Marjorie; Emporia.
McCrory, Maurice Nichols; Emporia.
Mayberry, Mignon Louise; Emporia.
Mealey, Ethel Marie; Emporia.
Miller, Ramona; Council Grove.
Musch, Grace Margaret; Elmo.
McNeil, Floyd; Kansas City, Mo.
Menehan, John; Beattie.
Paddock, Anabel; Newton.
Ramage, Allison; Pamona.
Ross, Evelyn; Larned.
Rostetter, Frank; Fairview.
Rostetter, Madge Moore; Altoona.
Roberts, Mrs. Maude; Ottawa.
Rufi, John; Emporia.
Samuelson, Edith Ann; Axtell.
Sconce, Nelle E.; Bonner Springs.
Sharp, Lloyd Burgess; Carbondale.
Smith, Glen W.; Washington.
Smith, Orra Melville; Lakin.
Stubbs, George; Dunlap.
Thompson, Ivalue; Wichita.
Watkins, Ethel May; Mont Ida.
Weide, Juanita; Emporia.

Completed Work for Degree of Bachelor of Science in Music, July 26, 1918.

Dotson, Mary Katheryn; Newton.
Jones, Esther Marscena; Emporia.

Completed Work for Degree of Bachelor of Science in Education. January 31, 1919.

Armstead, Lucile; La Cygne.
Bogue, Clara; Manhattan.
Eddington, Mary Louise; Manhattan.
Kaiser, Elizabeth Nanniga; Emporia.
Reynolds, Icille Dorothy; Emporia.
States, Mozella; Emporia.

Candidates for Degree of Bachelor of Science in Education, May 20, 1919.

Auer, Gertrude Margaret; Emporia.
Burkholder, Margaret; Marion.
Cremer, Raymond G.; Emporia.
Crosswhite, Mrs. Reba; Emporia.
Dorsey, Florence; Parsons.
Griffith, Bernice Helen; Emporia.
Hodges, Lorene; Shawnee.
Howell, Ruie; Virgil.
Hunter, Marguerite; Emporia.
Jay, Hazel; Coffeyville.
Koebele, Apollonia; Burns.
Lyness, Bessie; Walnut.
McCarter, Meda; Emporia.
Meyer, Bernard Augusta; Belpre.
Murdock, Annie Maclaren; Edgerton.
Reilly, Lola; Iola.
Rowland, Mabel Edna; White Water.
Sloan, Jennie A.; Zenda.
Whitted, Edith D.; Mulvane.

CANDIDATES FOR DEGREE OF BACHELOR OF SCIENCE IN EDUCATION, JULY 31, 1919.

Abrams, Dorothy Armena; Emporia.
Cannon, John; Beattie.
Carlile, Amos B.; Mound City.
Cross, Clarence; Emporia.
Davis, Rex; Spearville.
Hall, Mrs. Mary; Emporia.
Hill, Charles; Smith Center.
Hostetter, Ivan P.; Wetmore.
Howe, Charlotte; Emporia.
Jones, Martha Pearl; Emporia.
Lewis, Benjamin Harrison; Emporia.
McIntosh, Joseph; Lost Springs.
McPherson, Christine; McPherson.
Maple, Violet; Mulvane.
Miller, Minnie May; Council Grove.
Orsbourn, Ethel Gertrude; Rantoul.
Petrie, Harry Victor; Preston.
Raymond, Rollin Arthur; Centralia
Richmond, Dora Clede; Wellsville.
Rinehart, Charles H.; Arkansas City.
Schenck, Mina Margaret; Burlingame.
Stallard, Clara Malissa; Arkansas City.
Stokes, Helen Hawthorne; Osawatomie.
Strutzel, Martha; Olpe.
Van Ordol, Florence; Junction City.
White, Robert Carl; Emporia.
Wright, Florence Maude; Reading.

COLLEGE SENIORS NOT COMPLETING WORK FOR DEGREE OF BACHELOR OF SCIENCE IN EDUCATION.

Andrews, Clinton Hart; Emporia.
*Aue, Luther, Emporia.
*Brittain, Emma; Salina.
Buchheim, Elsie Winkler.
*Burton, Iva Lois; Fredonia.
Clayton, Carrie; Buffville.
Coleman, Edna; Emporia.
*Cox, Eula Beatrice; Turon.
Culter, Harold; Emporia.
Davis, Cecil Irene; Spearville.
DeVore, Earl R; Cuba.
*Dixon, Nellie May; Leon.
Dutton, Thelma; Emporia.
*Dwelle, Alice; Cedar Point.
Evans, Ethel Margaret; Emporia.
*Fromm, Hulda Olive; Vermillion.
*Gallaher, Winifred; *St. Joseph, Mo.*
Gantz, Ernest; Holton.
George, Mary; Emporia.
Graham, Helen; Winfield.
Hausom, Constance E.; Emporia.
Herriford, Iona; Wichita.
Hoffman, Wright; *Palisade, Colo.*
*Holmes, Miriam; Elmdale.
Hopkins, Grace; Emporia.
*Howard, Mabel; Cottonwood Falls.
Hughes, Nell; Topeka.
*Hunt, Roy Coifford; Narka.
*Hutcherson, Rose; Arnold.
*Largent, Martha Mabel; Quenemo.
*Lee, Annie Clara; Pratt.
Lore, Marjorie; Emporia.
*Lynn, Fred; Emporia.
*McCrory, Maurice; Emporia.
*Paxton, Mildred; Emporia.
Portwood, Thomas Bruce; Belle Plaine.
Rhem, Charles Hugo; Hutchinson.
Reynolds, Icille Dorothy; Emporia.
*Rich, Birdie Lucile; Emporia.
*Richards, Florine; Emporia.
Richards, Walter Marvin; Severy.
*McGuire, Harry; Kiowa.
McKnight, Helen; Ottawa.
McNeil, Floyd; Beattie.
Messick, Charles; Topeka.
Meyers, Mary Elizabeth; Belle Plaine.
*Miller, Mrs. Inez; Emporia.
*Mitchell, Goldie; Brookville.
Nanninga, Kathryn; Emporia.
Nuffer, Rose Gladys; Mapelville.
O'Connell, William Valentine; Belle Plaine
Ogg, Esther Eva; Topeka.
Samuelson, Edith Ann; Axtell.
*Sconce, Nelle Elizabeth; Lawrence.
*Scott, Harry Alexander; Parsons.
*Shemwell, E. Clifford; Norton.
*Smith, Glen W.; Zenda.
*Straight, Mary E.; Emporia.
*Stevens, Nora Kathryn; Emporia.
*Taylor, Mary Elizabeth; Sedgwick.
*Taylor, Katherine Agnes; Emporia.
Thomen, Agnes; Junction City.
*Thompson, Henry; Cottonwood Falls.
*Todd, Iris; Chapman.
Trice, Ruth Morgan; Winfield.
*Vaughn, James; Emporia.
Vennings, Albert Jacob; Moline.
*White, Elsie Stout; Emporia.
Williams, Capy Illinois; Emporia.

COLLEGE JUNIORS.

*Adams, Ima Marguerite; Grenola.
Akers, Neal Elmer; Emporia.
* Alsop, Ethelyn Marie; Emporia.
*Andrews, Madge, Coffeyville.
*Armour, Mabel; Emporia.
*Armour, Zedna; Emporia.
Armstead, Clara; Emporia.
Armstead, Marguerite; Emporia.
*Asher, Gladys; Great Bend.
Bacon, Alyce; Emporia.
*Barnes, Rebecca; Emporia.
Barthel, Evangeline; Emporia.
Baugh, Ethel; Emporia.
Beans, Helen; White Water.
*Bevan, Ethel; Haviland.
Birdsong, Mrs. H. E.; Emporia.
*Bixler, Orvill Dean; Emporia.
*Bolton, Josephine; Burlingame.
*Boyd, Grace; Coffeyville.
*Bradshaw, Clara Belle; Altoona.
Brown, Erma; Emporia.
Brown, Gertrude; Ottawa.
Brown, Hazel Ida; Emporia.
Burk, Celia; Emporia.
*Burt, Esther; Eureka.
Caldwell, Lewis Harold; Moran.
*Carle, Rose Mary; Neosho Rapids.
*Carpenter, Fanny Liberty; Council Grove.
*Carpenter, James M.; Preston.
Cassler Ivan Margaret; Canton.
*Chaney, Leontine; Burlington.
*Clay, Altha; Oskaloosa.
*Cleaver, Ruth; Ashland.
Collins, Joseph; Kansas City.
Comegys, Helen Elizabeth; *Ash Grove, Mo.*
Cook, Charles; Rock Creek.
Cooper, Beatrice; Lincoln.
Cowles, Effie; Emporia.
Cross, Mabel; Emporia.
Cross, Mary; Emporia.
*Cunningham, Eva Shaw; Strong City.
Cunningham, George; Emporia.
*Curtis, Ruby; Osage.
Darrah, Bess; McPherson.
Darrah, Mary Lizzie; Emporia.
Davis Mrs. Alida; Douglass.

COLLEGE JUNIORS—*continued.*

Davis, Olive; La Cygne.
Dean, Marie; Valley Falls.
*Devore, Roxey; Winfield.
*Dimon, Charles; Clay Center.
Dodd, Nina Merle; Waverly.
*Dunn, Esther Campbell; LeLoup.
*Easley, Susan; Ottawa.
*Eddy, Harriett; Havensville.
*Edwards, Anna Elizabeth; Emporia.
*Edwards, Mildred; Emporia.
*Ellenberger, Doris; Emporia
*Ellenberger, Lena; Emporia.
*Elliott, Bertha; Hartford.
*Ellis, Sibyl; Emporia.
*Ernest, Maude; Emporia.
*Evans, Pattie; Kansas City.
*Fawett, Vera; Morton.
*Finnerty, James; Hartford.
*Fleming, Irene; Emporia.
*Fluker, Florence; Emporia.
Flynn, Joseph Patrick; Palmer.
Forbes, Elizabeth; Carbondale.
*Freeman, Laura; Simpson.
*Friend, Sudie; Emporia.
*Glasse, Mrs. Blanche; Fredonia.
*Godsey, Edith; Emporia.
*Grant, Nell; Emporia.
Grizzell, Clara Jane; Bushton.
Gufler, Augusta; Emporia.
*Guzman, Herminia; Emporia.
Hadorn, Emma; Irving.
Hall, Stella; Emporia.
Hall, Velma Frances; Belle Plaine.
Hambel, Hazel; Emporia.
Hamer Mary Jane; Emporia.
Hamilton, Helen; Emporia.
Himlin, Birdine; Emporia.
Hardy, Lida; Topeka.
Harris, Hazel; Emporia.
Hartley, Gertrude; *Cordella, Okla.*
*Haggason, Genevive; Clayton.
Hill, Bertha; Emporia.
Hoey, Elizabeth Florence; Emporia.
Holmer, George; Baldwin.
*Hukill, Edna; Valley Falls.
*Hull, Mrs. Mabel; Thayer.
*Hutchins, Lena; Ottawa.
*Hutchison, Janette; Scranton.
Inskeep, Edith; Manhattan.
*Jacobs, Theresa; Sterling.
*Jewell, Carrie; Mount Hope.
Jones, Iva; Emporia.
Kappleman Mrs. Zelda Armour; Emporia.
*Kaufman, Ida; Wichita.
*Kelsey, Joseph; White City.
*Kemp, Gladys, Mildred; Emporia.
*King, Ruth M.; Lincoln.
*Konantz, Herbert; Emporia.
Lake, Ethel; Eskridge.
*Lank, Hattie; La Crosse.
Lansing, Mary; Chase.
*Leatherman, Flora; Chapman.
*Leighty, Robert Thomas; Bushong.
*Little, Loverna; Emporia.
Lloyd, Edith; Emporia.
*Lowe, Helen; Kingman.
*McAuley, Lucile; Americus.
McCarty, Leona; Emporia.
*McClun, Blanche; Garnett.
*McConnell, Edith; Council Grove.
*McGill Flora; Colony.
McPherson, Glenn; Severy.
*Madison, Lenore; *Britton, Okla.*
*Marley Rita June; Wellsville.
Marshall, Ruth; Bonner Springs.
*Martin, Sarah; *Bartlesville, Okla.*
Martin, Vello; Highland.
*Mayer, Grace; Lakin.
*Meyer, Irene; Anthony.
Miner, Mary; Salina.
*Monroe, Hannah; Emporia.
*Monroe; Pauline; Emporia.
*Morris, Hazle Blanche; Grenola.
Muir, Maude; Gridley.
Nanninga, John Benjamin; Emporia.
*Nelson, Verna Marie; Neodesha.
Niles, Loraine Phoebe; Thayer.
Nincehelser, Nell; Oskaloosa.
Oliver, John Milton; Halstead.
Paine Lita Mae; Admire.
Patterson; Howard V.; Emporia.
*Payne, Dorothy; Emporia.
*Perry, Bessie Emmeline; Hartford.
Pixley, Nora Estelle; Wamego.
*Putman, Harriet S.; Winfield.
Rees, Irma D.; Emporia.
Rees, Edward Herbert; Emporia.
*Richards, Vera Frances; *Okaton, S. Dak.*
Rioth, Marie; Shawnee.
Rogers, Trilby Esther; Meriden.
*Rowland, Rhoda Blanche; Emporia.
*Scott, Ruth Wikoff; Topeka.
*Showers, Mary Ellen; Neosho Rapids.
Simcox, Mabel M.; Canton.
*Smith, Hester; Independence.
Smith, Merl Grant; Florence.
*Snodgrass, Ada Leona; Baldwin.
Snyder, Clara Mae; Soldier.
Stark, Marion Franklin; Elk City.
Steinmetz Esther; Emporia.
Stenstrom. Eva Mathilde; Lindsborg.
*Stilwell. Helen Irene; Eureka.
*Strong, Barbara Florence; Ottawa.
*Strutzel, Thresa Anna; Olpe.
*Thomas, Dora; Emporia.
Thompson, Kate Zelma; Emporia.
Thompson, Lawrence L.; Wamego.
Thrasher, Hazel, Irene; Emporia.
*Traxler, Arthur Edwin; Emporia.
Unruh, Esther Miriam, Newton.
Vaughn, James; Emporia.
Vawter, Ruth Edna; Cherryvale.
*Vincent, Stella Augusta; Overbrook.
Wagner, Bryan Jennings; Virgil.
*Wallen, Ruth McCoy; Humboldt.
Walls, Thelma; Parsons.
*Walsh Frances Josephine; Clay Center.
*Warren, Delene; Emporia.
*Waters, Gladys Leola; Wellsville.
*Watkinson, Mildred Elizabeth; Carbondale.
Weakley, Mrs. Lillian; Lost Springs.
Wheeler, Ethel Louise; Marion.
*Wilks, Mabel; Emporia.
*Williams, Gladys Oliver; Emporia.
Williams, Margaret Esther; Florence.
Williams, Mary Rachel; Emporia.
*Williams, Mary Agnes; Hutchinson.
*Winnard, Lura Emma; Delphos.
Workman, Lawrence; Emporia.
Woulfe, Grace Juñe; Newton.
*Youngberg, Margie; Anthony.
Zimmerman, Mabel Lola; Sterling.
Zimmerman, Viola Mae; Sterling.

COLLEGE SOPHOMORES.

Adams, Agnes Louise; Langdon.
*Adams, Dora; Iola.
*Agee, Ethel; Gas.
Alexander, Gertrude; Emporia.
Anderson, Irene; Topeka.
Andrews, Wilda Edith; La Crosse.
*Ansbro, Margaret Ellen; Wichita.
*Armstrong, Iva McDonald; Cherryvale.
*Atkinson, Janet; Columbus.
Augustine, Bernice; *Bigheart, Okla.*

COLLEGE SOPHOMORES—*continued.*

Austin, Rhoda; Madison.
*Ayers, Cora Etta; Emporia.
*Bailey, Ruth; Gypsum.
*Baird, Marie; Cassoday.
Ball, Birdie Bales; Colby.
*Balston, Georgine; Palmer.
*Baptist, Leona; Emporia.
*Barner, Helen Martha; Winfield.
Beatty, Beryl; Linn.
Beaver, Margaret Jane; Wellsville.
Bentz, Anna Verona; Peabody.
*Berg, Margaret; Emporia.
*Beuchat, Gladys; Madison.
Bixby, Mary; Osawatomie.
Blair, Alma; Netawaka.
Bleakley, Mrs. Charlotte; Emporia.
*Blunk, Willis; Galena.
*Bonewitz, Maude; Emporia.
Boothe, Ruth; Andale.
Bowman, Ethel; Horace.
*Bowman Helen; Horace.
Bowman, Leonard; Benedict.
Boyle, Joseph; Bennington.
Bradley, Margaret; Parker.
Bradshaw, Harriett; Washington.
Bradshaw, Matie; Topeka.
*Brady, Bertha; Havana.
*Briggs, Jennie; Sedan.
*Broaddus, Hortense; Leavenworth.
Brogan, Carl; Emporia.
Brooks, Gladys; Horton.
Brown, Ida; Burlingame.
Brown, Lizzie Bell; Ashland.
Brown, Madge; *Medford, Okla.*
Brown, Ruth Bessie; Ashland.
Buckles, Edna; Vermillion.
Buckles, Grace; Vermillion.
Buford, Halet; *Sardis, Miss.*
*Burk, Christina; Ottawa.
*Burnes, Lillian; Lawrence.
Bursch, James; Buffalo.
*Bursch, Mrs. Ruby; Englewood.
*Busenbark, Cornella; Eskridge.
*Butcher, Winifred; Cimarron.
Butler, Phebe; Madison.
*Camp, Josephine; Goff.
*Campbell, Mabel; Emporia.
*Campbell, Leone; Lawrence.
*Carle, Beryl; Neosho Rapids.
Carle, Midget; Neosho Rapids.
Carlisle, Lela Marie; Wetmore.
Carpenter, Lucile; Burlington.
Cassaday, Jenny; Neosho Rapids.
*Cather, Beulah; Fowler.
*Chaffin, Curessa; Hutchinson.
*Chinn, Hattie Ann; Wakarusa.
*Christian, Audrey; Emporia.
Christy, Leona Mae; Emporia.
Clark, Hershel Joseph; Perry.
Clark, James; Perry.
Clarke, Marguerite; Hamlin.
Cline, Bertha; McPherson.
Cole, Anna; Topeka.
Connet, Ina; Iola.
Cook, Helen; Coffeyville.
Coons, Erma; Canton.
*Cooper, Grace; Fairview.
*Copeland, Edna; Wichita.
*Cracroft, Esther; Hartford,
Crans, Murrell; Wichita.
Crawford, Inez; Emporia.
Cripe, Eunice; McPherson.
*Critchlow, Fay; Atlanta.
*Cross, Florence; Emporia.
Cross, Roe; Reading.
Crosswhite, Harry; Parker.
Crosswhite, Mrs. Osa; Parker.
Crowell, Grace; Alta Vista.
Cunningham, Gladys; Emporia.
Curtis, Estelle; Vermillion.
Cutting, Bernice; Rose Hill.
*Gague, Katherine; Wilson.
Dancy, Mary Jane; Kansas City.
*Davenport, Eleanor; Ottawa.
*Davis, Grace; Neodesha.
Davis, Isla; *Anadarko, Okla.*
*Davis, Mae; Winchester.
*Davis, Maude; Hartford.
Davis Nellie; Neosho Rapids.
Davis, Mrs. Rhoda; Emporia.
Dean, Earl; Hamilton.
Dean, Margaret; Valley Falls.
*Delander, Clara; Kinsley.
Dennis, Frederica; Emporia.
Dissinger, Clarence; Yates Center.
*Diver, Ethel R.; Humboldt.
Donnelly, Beatrice; Topeka.
Dooty, Aletha Faye; Melvern.
Dooty, Donnie Dell; Melvern.
Dorsey, Lucile Rachel; Parsons.
*Dudney, Nay; Eskridge.
Duncan, Alice; Emporia.
Dwyer, Sara; Topeka.
*Eble, Bertha; Virgil.
*Edwards, Nellie; Walnut.
*Ellis, Minnie; Kingsdown.
Enns, Viola; Inman.
Epting, Esther; Burlington.
*Ernest, Dorothy; Overbrook.
Fairchild, Irene; Wellsville.
*Falls, Olive; Altoona.
*Fauley, Gerald; Mt. Hope.
*Fellows, Edith; Neodesha.
Finkle, Guy; Glava.
*Finnerty, Anna; Hartford.
Fisher, Helen; Emporia.
*Frasur, Mary; Emporia.
Friend, Frances; Emporia.
*Fritz, Effa; Whiting.
Fulk, Inez; Lebo.
Fulmer, Alice; Cherryvale.
*Garst, Julia; Wichita.
*Gates, Nellie; Anthony.
Geogra, Dot; Le Roy.
Gilchrist, Nora; Peabody.
Girard, Laura; Morganville.
Gormly, Merle; Harveyville.
*Green, Mrs. Roy V.; Emporia.
Green, Nellie; Leavenworth.
Gregory, Mildred; Hugoton.
*Greggs, Hester; Olivet.
Gross, Edna; Englewood.
Gunsaullus, Marie; Fort Scott.
*Gutsch, Lydia; Tampa.
Hall, Margaret Mary; Emporia.
Hall, Zella Margaret; Emporia.
Hamilton, Bertha Rae; Bronson.
Hamilton, LaRue; Little River.
Hampson, Lucile; Fredonia.
Handley, Hazel; Oswego.
Hanna, Grace Eloise; Barnes.
Harlan, Bernice; Emporia.
Harris, Hilah Beth; Emporia.
Harris Ruth; Eudora.
Harrison, Eugenia; Bern.
Hartman, Albert; Ozawkie.
Hashbarger, Frances Mary; Kincaid.
Hashbarger, Wilbur; Kincaid.
*Hatfield, Gertrude M.; Belle Plaine.
Haubold, Ethel; Parsons.
Henderson, Fannie May; *Bogard, Mo.*
*Henry, Esther Elizabeth; Emporia.
Henson, Clara Lucile; *Fayetteville, Ark.*
Heshion Anne Catherine; Downs.
Hewitt, Chester; Carbondale.
*Hicks, Effie May; Kansas City.
Hill, Adele, Elizabeth; Chapman.
Hillerman, Vina E.; Emporia.

COLLEGE SOPHOMORES—*continued.*

Hilty, Zelma Louise; Johnson.
Hilyard, Edith; Severy.
Hinkle, Mrs. Elmer; Benton.
Hitchens, Edna Pauline; Burlington.
Hoag, Alma Ruby; Lebanon.
*Hodges, Mabel Amorette; Emporia.
Hooker, Violet Rose; Council Grove.
*Hopkins, Ruth; Emporia.
Hooser, Dorothy; Kansas City.
Horr, Opal Maye; Thayer.
*Houghton, Rua Mae; Neosho Rapids.
*Houston, Alta Ora; Potwin.
*Houston, Blanche; Blue Rapids.
Hoyt, Masie; Arkansas City.
*Hughes, Carrie; Summerfield.
*Hund, Lillian; Wetmore.
*Hund, Minnie; Wetmore.
*Hurt, Blanche; Americus.
*Hutchison, Frieda Alice; Richmond.
Ingalls, Ethel; Galva.
Irwin, Frank; Valley Falls.
*Ivey, Gladys; Lebanon.
Jacobs, Inez; Emporia.
Jenkins, Avis Eunice; White City.
Jewett, June; Rosedale.
Johnk, Herbert; Neosho Falls.
Johnson, Augusta; Kansas City.
*Johnson, Edna; Yates Center.
Johnson, Eva; Phillipsburg.
Johnson, Mabel; Yates Center.
Johnston, Mrs. Myrtle; Emporia.
Jones, Ethel; Rossville.
Jones, Marvin Lee; Wamego.
Jones, Minnie; Emporia.
*Judd, Mrs. Clara; Garden City.
*Karnes, Edna; Overbrook.
*Kearney, Ethel; Oswego.
Keefover, Iva; Barnes.
Keener, Georgiana; Clay Center.
Keith, Hazel; Jewell.
Kell, Mrs. Aimee; Emporia.
Kell, Gertrude; Emporia.
Keller, Glenna; White City.
*Kennedy, Marguerite; Fredonia.
*Kenton, Margaret Esther; Bonner Springs.
*Kerford, Mrs. Carrie; Atchison.
*Kimble, Jennie; Carbondale.
Kirkendall, Frances; Emporia.
Kirkner, Vera Lucile; Carbondale.
*Klinefelter Ada Irene; Cherryvale.
Knight, Trixie; Jamestown.
*Knoll, Veda; Severy
*Knoll, Velda; Severy.
*Knoll, Vera; Severy.
*Kobel, Verna; Peabody.
Koontz, Lois; Emporia.
Kramer, Hazel; Auburn.
*Kreitzer, Rose; Humboldt.
*Laird, Laura Rebecca; Abilene.
*Lapham, Elizabeth; Emporia.
*Lentz, Clyde Dayton; Arlington.
*Leslie, Mabel; Anthony.
Lewis, Adelaide; Emporia.
*Lewis, Elsie; Downs.
Lewis, Gwendoline; Lebo.
*Lewrance, Lonita; Iola.
Lewrence, Wanda; Iola.
*Linhart, Catherine; Irving.
Little, Harry B.; Alta Vista.
Longshore, Hazel; Emporia.
Lundine, Rose; Chanute.
*Lynn, Frances; Valley Falls.
*Lynn, Mabel; Valley Falls.
*Lytle, Marie; Burlington.
*McCaw, Myrtle; Americus.
*McGrath, Margaret; Waverly.
McIntosh, Buell; Wilsey.
McNicol, Grace; Lost Springs.
Mahoney, Gertrude; Scranton.
Mallary, Elsie; Emporia.
*Malmgren, Ruth; Falun.
*Manahan, Ethel; Wellington.
*Maness, Helen; Ponca City.
*Marshall, Lillian; Wichita.
*Martindale, Sallie; Emporia.
Mather Ruth; Centralia.
*Maxfield, Martha; Syracuse.
Mellor, Alice; Waverly.
Metz, Grace; Ottawa.
Meyer, Mamie M.; Linn.
*Mihm, Flora.
*Miller, Effie; Hanover.
*Miller, Mrs. Flora B.; Dodge City.
*Miller, da Leona; Sedgwick.
*Miller, Ruth Elma; Belle Plaine.
*Miller, Ruth Ina; Lyons.
*Miller, Ruth Mae; Lebo.
Minner, Ratia; Soldier.
Mitchell, Mattie; Lawrence.
Monninger, Emmalou; Chanute.
*Moore, Ruby; Clay Center.
*Morgan, Mabel; Howard.
*Morgan, Marie; Peabody.
*Morris, Bessie; Emporia.
Morris, Della May; Clements.
Morris, Julia Anne; Emporia.
Morris, Martha Mina; Emporia.
Morrow, Frances; Topeka.
Morton, Madge; Chase.
*Murray, Theresa M.; Salina.
Neece; Lloyd Bernard; Delia.
Neis, Charles Peter; Hope.
*Noll, Pauline Elizabeth; Florence.
*Nolte, Mrs. Adar Mary; Healy.
Oliphant, Bertha Mae; Chanute.
Orr, Elizabeth Marie; Newton.
*Orsbourn, E. Gladys; Rantoul.
Owen, Grace; Independence.
*Palmer, Tella Anna; Greeley.
*Parker, Lora; Bonner Springs.
Payne, Lulu B.; Howard.
*Payne, Marguerite; Emporia.
*Peek, Zemira Ann; Valley Falls.
Pegram, Malinda; Emporia.
Penn, Hazel; Atchison.
Penn, Verna; Atchison.
Perkins, Mrs. Clara; Meade.
*Perry, Bertha May; Parsons.
Peterix, Helen Gertrude; Emporia.
Phillips, Lillian; Ottawa.
Pickens, Mary Elizabeth; *Rogers, Ark.*
*Pierce, Nora M.; Claflin.
Pike, Helen Jeanette; Chanute.
Pinson, Mabel Irene; Cheney.
Popp, Rieta Agnes; Kinsley.
Porter, Bertha Orene; Topeka.
*Powell, La Verne; Burlington.
Pratt, Gladys W.; Topeka.
Putman, Inez Josephine; Admire.
*Pyle, Eleanor Lenora; Americus.
*Raymond, Louis Barnes; Long Island.
*Reardon, Elizabeth Ann; Tonganoxie.
*Rector, Edna; Emporia.
Redd, Trilby Oletha; Horton.
Reed, Esther Gladys; Severance.
Reed, Hortense Annise; Parsons.
Reeves, Blanche Bernice; Lawrence.
*Reneau, Jessie May; Florence.
Rich, Elizabeth Wanda; Emporia.
*Richards, Alice; Emporia.
Richard, Ruth Anna; Emporia.
*Ricketts, Lulu Beam; Iola.
Rife, Alberta Maggie; *La Junta, Colo.*
*Riley, Mary Altha; Grenola.
Roberts, Ceris Roberta; Marquette.
Roberts, Edna Lucile; Lawrence.
*Roberts, Gladys E.; Dunlap.
Roberts, Jamie Edith; *Nevada, Mo.*

COLLEGE SOPHOMORES—*continued.*

*Rogers, Ethel; McPherson.
*Rose, Frederica Wm.; Dunlap.
Roth, Mae Pearl; Bern.
*Rudebaugh, Myrle A.; Denton.
*St. John, Mabel Katheryn; Williamsburg.
*Sanford, Marguerite Vivian; Wichita.
*Scales, Marjorie Elizabeth; Ft. Riley.
Schmidt, Clara Eva; Lorraine.
Schmitt, Marguerite Marie; Moundridge.
Schmitt, Helen Ann; Moundridge.
Scott, Madeline Miriam; Topeka.
Scott, Mildred Adlene; Topeka.
Scott, Mrs. Ruby Saddler; Kansas City.
*Seaver, Mabel Edna; Nickerson.
*Seevers, Daisy Elva; St. John.
*Selves, Edith Grace; Clements.
Sellards, Minnie May; Lawrence.
*Sharp, Jessie; Council Grove.
Shaw, Beulah Iona; Louisville.
*Shemwell, Mrs. Ocie; Ottawa.
*Sherwood, Elizabeth; Grenola.
*Shewmaker, Ethel May; Coffeyville.
*Shimp, Dorah Bertice; Oneida.
*Shinkle, Wanda; Mound City.
Shotts, Frances Willard; La Crosse.
*Simmons, Lola Ellen; Emporia.
*Simms, Elizabeth Arminta; Kansas City.
Sipes, Hazel Elizabeth; Great Bend.
*Sloan, Edith Wentworth; Harper.
*Smith, Alda; Emporia.
*Smith, Bessie Mae; Powhattan.
*Smith, Eva Pearl; Salina.
*Smith, Frances W.; Concordia.
*Smith, Geneva Frances; Lyons.
Smith, Irene Victoria; *Jacksonville, Ill.*
Smith, Orra Melville; Lakin.
Smith, Troley Omer; Rosalia.
Snyder, Bessie Mae; Logan.
*Stancliff, Eva Pearl; *Sargosa, Texas.*
*Stannard, May Silbe; Emporia.
*Steinmetz, Ruth Margaret; Emporia.
Stepp, Nadine Watson; Kansas City.
*Stilson, Mary Esther; Carlyle.
Stites, Otto Russell; Mound City.
Stites, Trone George; Hope.
*Stormfels, Mabel Claire; Emporia.
*Starchan, Margaret Jane; Howard.
*Swenson, Beatrice; Clay Center.
Swenson, Ethel Fernanda; Randolph.
Tangeman; Elsie Ethel; Newton.
Taylor, Bessie; Winfield.
*Thomas, Edith R.; Emporia.
*Thomas, Ina Wilhelneta; Emporia.
*Thompson, Emma; Lost Springs.
*Thompson, Ethel Blanche; Lyndon.
*Thorne, Anna Elizabeth; Kinsley.
*Tibbetts, Eunice Catherine; Blue Rapids.
Tiemann, Margareth Helen; Stafford.
Topp, Chlora Clementine; Wichita.
Troll, Anna Irene; Emporia.
*Tullors, Ruth Margaret; Ottawa.
*Turner, Elizabeth Ellen; Harveyville.
*Upshaw, Mary; McPherson.
*Verhage, Irene Rae; Valencia.
*Vincent, Gladys Annette; Overbrook.
*Waldron, Murrell; Emporia.
Walrafin, Mrs. Millie Odessa; Stafford.
*Walton, Ruth Sherman; Leavenworth.
*Walters, William; Bancroft.
*Ware, Edna; Topeka.
*Wasser, Belle; Horton.
Watts, Lena Eva; Garnett.
*Watson, Lucile Mame; Kansas City.
*Watt, Lena Eva; Garnett.
*Wynick, Vaughnie; Wellington.
Weaver, Margaret; Alma.
*Webber, Elizabeth Addie; Logan.
*Wellborn, Cleda Hannah; Emporia.
*Wells, Laura Ellen; Emporia.
*White, Irene Greta; Williamstown.
Whitted, Agnes Christine; Derby.
*Widick, Irene; Emporia.
Wieland, Antoinette; Elk.
*Wieland, Clara; Elk.
Wilcon, Helen Mae; Great Bend.
Willey, Bessie; Strong City.
*Williams, Annie E.; Emporia.
Williams, Helen Frances; Marion.
Williamson, Ralph; Emporia.
*Willis Anna; Emporia.
Wilson, Mary; Formoso.
*Wiltrout, Vera; Logan.
*Windhorst, Freda Christene; Belpre.
*Wise, Edith Harriett; Hiawatha.
Wisner, Pearl Elsa; Elwood.
*Wolff, Sara A. P.; Ottawa.
Wood, Lois; Emporia.
*Wood, Ruth Virginia; Anthony.
*Woods, Edith Mary; Wichita.
*Woods, Mildred Ailene; Hydro.
*Worden, Blanche; Eskridge.
*Worster, Velma Z.; Greenleaf.
*Worthington Lutie; Paola.
*Wright, Stella; Oketo.
*Youngroot, Bertha; Osage.

COLLEGE FRESHMEN.

Abraham, Lucile May; Emporia.
*Abshire, Buena Vista; Pomona.
*Adams, Belle Eula; Mount Hope.
*Adams, Hazel Marguerite; Saffordville.
*Adams, Helen Rilla; Linwood.
*Agee, Raymond; Gas.
Agrelius, Kenneth Paul; Emporia.
*Allan, Grace; Tonganoxie.
*Allen, Anna Martha; Summerfield.
Allen, Cecil Ruby; Emporia.
*Allen, Grace Roberta; Lenexa.
Allen, Lela Belva; Haviland.
*Aller, Gladys; Winfield.
Allphin, Evelyn; Pratt.
Alsop, Bernice; Belle Plaine.
Alsop, Lila Grace; Wakefield.
Alvis, Wilma June; Yates Center.
Anderson, Adda; Wellington.
Anderson, Olive; Alma.
*Anderson, Aura; Wellington.
*Anderson, Faye; Columbus.
*Anderson, Gertrude; Clifton.
*Anderson, Josephine; Meriden.
*Anderson, May; Meriden.
*Anderson, Olive Jane; Virgil.
*Anderson, Phœbe Jane; Circleville.
Anderson, Robert; Americus.
*Anderson, Vida; Eskridge.
*Andres, Harley Avis; Alta Vista.
Andrews, Ada Elizabeth; Lawrence.
Andrews, John; Emporia.
*Andrus, Laura; Elsmore.
Armour, Rebecca; Emporia.
Armour, Scott; Emporia.
*Armstrong, Nellie Elizabeth; Atchison.
*Arner, Ermine; Lane.
*Artz, Florence Anna; Potwin.
*Arnold, Maude; Frankfort.
Asher, Mrs. Cornelia; Emporia.
*Ashlock, Inez Margaret; Olathe.
*Asper, Viola Sarah; Downs.
Austin, Dorotha Ruth; Burton.
*Averill, Lorree Alma; Wellsville.
*Ayers, Hazel Adora; Mankato.
*Bagley, Addie E.; Effingham.
*Bain, Mollie; Dunlap.
*Baird, Ethel Carolyn; Cassoday.
*Baird, Zola; Buffalo.
*Baker, Eunice; *Rogers, Ark.*
*Baker, Eva; Tonganoxie.

COLLEGE FRESHMEN—*continued.*

Baker, Mrs. Hazel; Bucklin.
Baltz, Opal; Attica.
*Banks, Mary Ruth; Salina.
*Baptist, Myra; Emporia.
*Barber, Pearl; Gas.
*Barna, Rose Frances; Marquette.
Barnard, Chester; Emporia.
*Barnett, Thelma; Winfield.
*Barnhart, Olive; Belleville.
Barnum, Charles Leroy; Galva.
*Barr, Mabel Joy; Douglass.
*Barrett, Georgia; Pawnee Rock.
Barth, Nelson; Council Grove.
*Bartley, Columbia; Powhattan.
*Bartley, Ethel M.; Powhattan.
Barton, Gertrude; Pratt.
Batdorf, Frances; Burlington.
Batdorf, Mamie; Burlington.
*Baur, Edith; Nortonville.
*Beam, Marcia; McPherson.
Beatty, Eva Ann; *Manchester, Okla.*
*Beauchamp, Grace; Republic.
Belshaw, Grace; Emporia.
*Bell, Wanda; Peck.
*Benjamin, Sybil; Nickerson.
*Bennett, Elva; Stafford.
*Benson, Alice; Belleville.
*Benson, Betty; Marquette.
*Benton, Ada Irene; Osage.
Berg, Ruth; Emporia.
*Bergin, Grace; Effingham.
*Gerry, Flora; McLouth.
*Berry Vera Louisa; McLouth.
*Bert, Tena; Detroit.
*Best, Mabel; Admire.
*Betz, Mary Jane; Asherville.
*Bigsby, Phebe; Lawrence.
*Billings, Sara; Jetmore.
Binford, Walter; Burns.
*Birkett, Nina; Holton.
Bishop, Verne; Emporia.
*Black, Clara; Emporia.
Black, William Albert; Galena.
Blankenship, Florence; Eskridge.
*Blaser, Ida; Sabetha.
*Bloomfield, Bertha; Winfield.
Blumbery, Ella; Denison.
*Boaz, Mrs. Ivah; Eldorado.
*Boes, Agnes; Ingalls.
*Bolinger, Della; Bushton.
*Bolinger, Nella; Bushton.
Bolton, Velma; Maple Hill.
*Bond, Lillie; Lawrence.
*Bonham, Theresa; Cheney.
*Bonnell, Mary; Neodesha.
Bonnell, Ruth; Neodesha.
*Bonser, Vera Donna; Neodesha.
Bonwell, William; Emporia.
Bookwalter, Mable; Solomon.
*Borchardt, Hildagard; Herington.
*Borg, Jessie; Lawrence.
*Bourne, Essie; Delphos.
*Bolby, Laura; Lost Springs.
*Bowman, Beulah; Council Grove.
*Bowman, Stella; Tonganoxie.
*Boyce, Sara; Carlton.
*Boyer, Beatrice; Welda.
*Boyer, Elizabeth; Emporia.
*Boyer, Halcie; Welda.
Boyer, Nellie; Emporia.
*Boylan, Mildred; Arkansas City.
*Bracken, Letha; Sycamore.
Bradbury, Lessie; Garden City.
Brady, Margaret; Parker.
*Brandon, Iva Gail; Burden.
*Brashear, Ada Belle; Cedar Vale.
Brewer, Lillie May; Emporia.
*Bridges, Charlia; Kincaid.
*Briner, Enna Margaret; Oskaloosa.
Briner, Frances Wm.; Oskaloosa.
*Broadfoot, Mary; Sedgwick.
*Broat, Edith; Lawrence.
*Brock, Frene; Oskaloosa.
*Broadhead, Florence; Wakefield.
*Brodie, Mary; Emporia.
Brooks, Gertrude; Kansas City.
*Brouse, May; Narka.
*Brown, Beulah; Attica.
*Brown, Ethel; Emporia.
*Brown, Erma Irene; Mahaska.
*Brown, Grace; Atchison.
*Brown, Helen; Pretty Prairie.
*Brown, Mabel; Eskridge.
*Brown, Mary; Newton.
*Brown, Mildred; Ford.
*Brown, Myrtle; Eskridge.
Brown, Nellie Josephine; Emporia.
*Brown, Sibyl, Atchison.
Brown, Thomas; Perry.
*Browning, Ethel; Derby.
*Bruce, Florence; Hartford.
*Bruce, LaVina; Garden City.
*Buck, Cellah; Emporia.
*Buckner, Noel; Wilsey.
*Bunch Edith; Strong City.
*Bunting, Linn; Liberal.
*Bunting, Mabel; Liberal.
*Burchfiel, Gavetia; Anthony.
*Burdett, Lorene; Olathe.
*Burghart, Clara Bertha; Leanna.
Burk, Gloyd; Emporia.
*Burks Beulah; Osawatomie.
Burnett, Mildred; Glasco.
*Burnett, Ruth; Arkansas City.
*Burns, Elise; Pomona.
*Burns, Georgia; Carbondale.
*Burton, Dorothy; Parkerville.
Bursch, Samuel; Buffalo.
*Bush, Hattie; Kinsley.
Butcher, Lyndell; *Blackwell, Okla.*
*Caler Blanche; Claflin.
*Calkins, Emma; Chanute.
*Callahan, Mary Mertha; Paola.
*Callaway, Gladys Lenore; Blue Rapids.
*Camp, Lena Cleo; Wilsey.
Campbell, Arden; Emporia.
*Campbell, Christine; Kirwin.
*Campbell, Marvel; Clifton.
*Canfield, Mabel Pearl; Ottawa.
Carbaugh, Fawn; Emporia.
Carbaugh, Freda; Emporia.
*Carlisle, Lenora Isabelle; Wetmore.
*Carpenter, Ethel; Garden City.
*Carpenter, Margaret; Council Grove.
Carrithers, Clara Marie; Anthony.
Carson, Cora Mae; *Collinsville, Okla.*
Carter, Alice; Emporia.
*Carter, Frances; Chanute.
*Carter, Vivian; Peoria.
*Carver, Nina Marie; Frankfort.
*Case, Ivy; Alta Vista.
*Cassell, Gladys; Tescott.
*Cassell, Ruby; Tescott.
*Cavanagh, Esther; Ozawkie.
*Caveny, Bernice; Carbondale.
*Canner, Blanche; Quenemo.
*Chadd, Minnie; Courtland.
*Chafflin, Bessie Faye; Benedict.
*Challis, Winifred; Westmoreland.
*Champlin Sylvia; Cedar Vale.
*Chandler, Esther; Atchison.
*Chandler, Rebecca; Dunlap.
Charman, Cecil Dee; Glasco.
*Charles, Gladys Irene; Eudora.
Chestnut, Mary Elizabeth; Kincaid.
*Church, Evangeline; Oketo.
*Clark, Ella; Vining.
*Clark, Nina; Cassoday.
*Clarke, Nellie; Meriden.
*Clarkson, Mabel; Anthony.

COLLEGE FRESHMEN—*continued.*

*Classen, Mattie; Washington.
*Clawson, Ruth; Eureka.
*Clay, Verna; Emporia.
*Claypool, Gladys; White Water.
Cleaner, Lura; Minneola.
*Cleeton, Ivol; Neosho Rapids.
*Clewell, Letha; Bell Plaine.
*Cline, Frances; Lebanon.
*Cline, Sarah; Kingman.
*Cloud, Mildred; Admire.
*Coats, Anna; Turon.
*Coats, Cora; Turon.
*Cockrell, Valeta; Parker.
*Codding, Evelyn; Havensville.
*Coen, Maude; Garden City.
*Coker, Mildred: Lawrence.
*Cole, Ethel: Rantoul.
Collier, Willis; Nickerson.
Overbrook, Blanche; Overbrook.
*Collins, Marguerite; Dunlap.
Collins, Hoxie; Hartford.
*Coldwell, Myrtle; Centralia.
*Comstock, Ruby; Howard.
*Conboy, Ella; Stilwell.
*Conway, Fsther; Oronoque.
*Cook Helen Mildred; Rock Creek.
*Cook, Lois; Parker.
*Cook, Marguerite; Osawatomie.
*Cooper, Anna; Emporia.
*Cooper, Ethel: Solomon.
*Cooper, Frances; Macksville.
*Cooper, Ora; Delia.
*Cooper, Ora Belle; McPherson.
*Cope, Ruth; Iola.
*Cordell, Vevah; Andale.
Corey, Eula; Council Grove.
Cornforth, Mrs. Ida Hickman; Emporia.
*Correll, Ada; Abilene.
Corsant, Elsie; Salina.
*Cory, Bessie; Tonganoxie.
*Cougher, Ruth; Piedmont.
*Cougher, Juanita; Garden City.
*Countryman, Hazel; Formoso.
*Cover, Mabel; Rosedale.
*Cowie, Jeanette; Kanopolis.
*Cox, Grace; Leavenworth.
*Cox, Mary; Downs.
*Cox, Nellie; Downs.
Coyne, Mrs. E. J.; Florence.
*Cramer, Dorsey; Moran.
*Cramer, Mary; Moran.
Cravan, Ruth; Summerfield.
*Cranshaw, Nellie; Fredonia.
*Crawford, Emma; Winfield.
*Crawford, Quemula; Lawrence.
*Crick, Inez; Pratt.
Crilly, Leith; Galva.
*Crites, Minnie; Glen Elder.
Cross, Letha; Belle Plaine.
Crowder, Anna; Topeka.
*Crowley, Hazel Irene; Eldorado.
*Crowley, Marietta; Eldorado.
Cunningham, Ernest; Hope.
*Cunningham, Eva Marie; Greeley.
*Cunningham, Hazel; Cheney.
*Curran, Agnes; Everest.
Currence, Bertha; Marion.
*Currey, Cleo Frances; Lewis.
*Cutright, Mrs. Maude; Haviland.
*Dace, Ruth; Eldorado.
*Dague, Harriett; Wilson.
*Dana, Helen Elizabeth; Gardner.
*Dauber, Elsie; Topeka.
*Daugherty, Mildred; Bucklin.
Dauner, Cyril; *Hennessy, Okla.*
Davidson, Cecile; Yates Center.
*Davidson, Delia Roberta; Yates Center.
*Davidson, Emma; Solomon.
*Davidson, Phyllis; Columbus.
*Davis, Bernice; Bronson.
*Davis, Lillian; Topeka.
*Davis, Mabel; Augusta.
*Davis, Nellie; Bucklin.
Davis, Thelma; Council Grove.
Davis, Theodosia Hartwel; Olpe.
Davis, Velva Lee; Emporia.
*Davis, Wilma; Chanute.
Davis, Willie Mae; Salina.
Davison, Ray Wilson; Nickerson.
*Dawson, Mildred; Nickerson.
Dawson, Thomas; Hamilton.
*Day, Glenn; Selma.
*Dean, Mrs. Anna; Quenemo.
*Dean, Mrs. Elsie Josephine; Norwich.
*Dean, Marjorie; Edgerton.
Debus, Mabel; Jewell City.
*Delfelder, Bertha; Effingham.
Delp, Marie; Kinsley.
*Delano, Cecile Violet; Emporia.
*DeLoe; Freda Iralene; Coffeyville.
*Demott, Lura; Arkansas City.
*Dennis, Fern; Alberta.
*Denny, Rena; McLouth.
Dent, Ellsworth; Council Grove.
*Dew, Esther; Burlington.
*DeWitt, Mary; Chapman.
*Dey, Neva Nell; Newton.
*Diamond, Lloyd; Anthony.
*Diana, Irene; Osage.
*Dickerson, Hester; Turon.
*Dickson, Grade; Auburn,
*Diggs, Zenobia Page; Parsons.
*Dilley, Zettie Jane; Lebanon.
*Dillon, Blanche Edna; Kensington.
*Dittemore, Myrtle Etta; Highland.
*Dittmer, Anna Mae; Liberal.
*Diver, Anna M.; Humboldt.
*Doherty, Florence Francis; Stilwell.
Donaldson, David Elvyn; Emporia.
Donham, Mabel Elsie; Morse.
*Donley, Margaret Belle; Oxford.
*Dooley, Mae Louise; Ford.
*Dooley, Nelle Ellen; Ford.
*Douglass, Hallie Lucile; Winfield.
*Doyle, Ruby May; Garden Plain.
*Drury, Edna Louise; Sharon.
*Drury, Ella Marion; Sharon
*Duden, Nina; Clifton.
*Duff, Gersie May; Dexter.
*Duncan, Gladys; Columbus.
Duncan, Naomi; Cottonwood Falls.
*Dungan, Hildred; Moline.
*Dunshee, Florence; Douglass.
*Dunson, Maude; Iola.
Durham, Roy; Toronto.
*Durham, Ruth Marian; Anthony.
*DuVall, Dessie; Pomona.
Dyerly, Donald Deck; Pratt.
Dykes, Laura Gray; Coldwater.
*Easterly, Mary Euphemia; Downs.
*Edmond, Leah Mary; Parsons.
*Edwards Jessie; Leavenworth.
Edwards, Ciola Fern; Hamilton.
*Ellis, Mary Harriett: Silver Lake.
*Eichenour, Gladys Martha; Durham.
*Eiselein, Ruth Ella; Solomon.
Elam, Alice Winifred; Oswego.
*Eldred, Cornelia; Paola.
*Elkins, Bernice; Wakefield.
*Elkins, Faye; Wakefield.
*Ellenberger, Flora Lucile; Bazine.
*Ellerman, Opal May; Potter.
*Elliott, Laura; Garnett.
Elliott, Sadie Maxwell; Haviland.
*Ellis, Mary Addie; Wellington.
Ellison, Merl; Cunningham.
*Entz, Aganetha; Hope.
*Erickson, Rosa; Maple Hill.

COLLEGE FRESHMEN—*continued.*

*Eping, Inez Viola; Lindsborg.
*Estee, Clara Pearl; Circleville.
*Evans, Elsie May; Virgil.
*Evans Jessie; Virgil.
*Evans, Laura Irene; Burden.
*Evans, Marlin D.; Rossville.
*Evans, Mawyn; Tonganoxie.
*Eversoll, Rena; Humboldt.
Everson, Eugene Evan; Pratt.
*Ewing, Elsa; Wilsey .
*Faidley, Jessie Dora; Alta Vista.
Faler, Edith Margaret.
*Fall, Flossie Ella; Iola .
*Fankhauser, Vaughn; Haviland.
*Faris, Frank Peter; Elmdale.
*Farner, Effie Mae; Liberal.
Julia Farrar; Ackerland.
Fastenau, Bertha Catherine; *Nebraska City, Neb.*
Felible, Harlan Everett; *Braman, Okla.*
*Felt, Mary Elizabeth; Savonburg.
*Felt, Nelle Irene; Logan.
*Finch, Nellie Mae; Overbrook.
*Finch, Ruth Elizabeth, Mahaska.
*Finley, Violet Ruth, Topeka.
*Fischer, Cora Elizabeth; Kensington.
Fischer, Helen; New Ulysses.
*Fiscus, Gladys Eula; Severy.
*Fishburn, Mabel C.; Overbrook.
*Fishburn, Neva Lelia; Overbrook.
*Fisher, Chelcia; Soldier.
*Fisher, Elfa; Soldier.
Fisher, Emma Rebecca; Emporia.
Fisher, Noble; Reading.
*Fisk, Mattie Matilda; Haviland.
*Fite, Grace; Benedict.
*Fitzmaurice, Agnes Clare; Effingham.
Flagler, Eula; Severy.
*Florea, Rose Silket; Downs.
*Flucler, Minnie Ella; Elmdale.
*Foote, Thelma Dorothy; Spring Hill.
*Forbes, Mabel Berta; Bazine.
Forbes, Marion; Carbondale.
*Forrester, Nora Ella; Moline.
Forsythe, Fern Leora; Howard.
Foster, Anna Mae; Hamilton.
*Foster, Frances; Hamilton.
Foy, Blanche Mabel; Osborne.
*Francis, Alta; Holton.
*Frater, Marjory; Fredonia.
Frazer, William Roger; Marion.
*Freeman, Louzell; Tonganoxie.
*French, Fern; Emporia.
Fridley, Ora Peral; Alma.
*Frisbie, Rosa Belle; Plainville.
*Fritz, Lulu; Whiting.
*Fritze, Selma Erma; Strong City.
*Fritzinger, Marguerite; Courtland.
*Fromm, Ella; Elmo.
Froom, Minnie Victoria; Vermillion.
*Frost, Edna Pearl; Downs.
Fuller, Katherine; Emporia.
Fuller, Temperance Dodge; Geneseo.
*Fullinwider, Ada; Eldorado.
*Fults, Viola Mildred.
Furney, William Harley; Council Grove.
*Gadbery, Clara Frances; Emporia.
*Gallentine, Ida; Clayton.
*Gammon, Edith Mary; Winfield.
*Garver, Norma; Holton.
Gardner, Ruth; Eureka.
*Garvetm Elizabeth; Leroy.
*Gaston, Tressie; Glen Elder.
Gaston, Hazel Ione; Hamlin.
Gavin, Lulu; Lawrence.
*Gebhardt, Lola Gertrude; Ellsworth.
*George, Eva Pearl; Neodesha.
*George, Lois; Burlington.
*George, Ruth Olive; Neodesha.
*German, Willetta; Holton.
*Geyer, Ethel; Wetmore.
*Gibson, Freda Emily; Paola.
*Giffee, Bernice Arline; Green.
*Giffin, Inez Ethel; Salina.
*Gildhouse, Alta; Fairview.
Gilmore, Edna; Moran.
*Ginder, Ruth; Enterprise.
*Glasco, Evelyn Lois; Piedmont.
Godsey, Mabel; Emporia.
*Goodman, Zoe; Clayton.
*Goodwin, Marjie May; Cherryvale.
*Gordon, Mamme; New Ulysses.
*Gordon, Martha Gertrude; Eureka.
Gordon, Ray Kenneth; Reading.
*Gortner, Ilah G.; Mount Hope.
*Garber, Emma Clara; Pretty Prairie.
*Graham, Mary Ellis; Mullinville.
Grant, Gladys; Emporia.
Graves, Homer Charles; Dunlap.
*Gray, Elizabeth; Chapman.
*Gray, Fannie May; Moscow.
*Greene, Bessie Annette; Salina.
*Greenlee, John; Americus
Greer, Edith; Marion.
Greer, Esther W.; Marion.
*Greeves, Edna M.; Lansing.
*Gregory, Stella V.; Wichita.
*Griblin. Goldie Eugenia; Virgil.
*Griblin, Mildred; Virgil.
*Griffes, Eleanor; Hill City.
Griffin, George David; Nickerson.
Griffith, Robert Winfield; Galva.
*Grimer, Mary Winifred; Louisburg.
Gross, Vesta; Emporia.
*Guethlin, Flora; Lyons.
Gufler, Wilhelmina; Emporia.
*Gunckel, Otis; Salina.
Gunther, Lucille; Soldier.
*Gunnels, Ethel; Yates Center.
*Gurther, Sophia Anna; Beattie.
Haberbrosh, Charles; Mildred.
Hackler, Lydia Opal; Chanute.
*Hackett, Emma; Mildred.
Haffa, Mrs. Mary Grace; Emporia.
Haffa, Milton Clarence; Emporia.
*Hagan, Hazel Jane; Hamlin.
*Hahn, Margaret Lydia; Osawatomie.
*Hall, Carrie; Minneola.
*Hall, Helen Marie; Neodesha.
*Hall, Ruth Henrietta; Minneola.
*Halsy, Edna May; Coffeyville.
*Ham, Arthur; Wilsey.
*Hamill, Bess Lillie; Grenola.
*Hamlin, Ethel; Circleville.
*Hamm, Ina Marie; Nortonville.
*Hancock, Mildred Evangeline; Liberal.
*Hancock, Pauline Grace; Liberal.
*Handkins, Stella May; Cheney.
*Hane, Francis Wesley; Lincolnville.
*Hanna, Eva Lenora; Riley.
*Hanson, Mabel Itelene; Turon.
*Harclerode, Mary Etta; Moran.
*Hardy, Chloe Pearl; Blue Mound.
*Harmon, Iola Louise; Haviland.
*Harold, Frances; Neosho Falls.
*Harper, Mary Ethyl; Mount Hope.
*Harper, Nellie Ruth; Mount Hope.
*Harris, Elba Francis; Leon.
*Harris, Lora Ellen.
*Harris, Ruth Hazel; Murdock.
*Harris, Zera Elizabeth; Havensville.
*Harrison, Alvina; Ottawa.
*Harsh, Mareta; Cassody.
Harter, Clarence Clifford; Westmoreland.
*Hartman, Maida; Emporia.
*Harvey, Frances Cameron; Osawatomie.
*Harvey, Tracy; Eudora.
*Harshman, Hazel Belle; Abilene.
*Haskins, Pearl Marguerite; Burlingame.
Hatcher, Paul William; Emporia.

COLLEGE FRESHMEN—*continued.*

*Hatfield, Gladys; Belle Plaine.
*Hauser, Edith Christine; Greeley.
*Hauser, Grace Regina; Wichita.
*Havekotte, Florence; Lawrence.
Hawk, Ruth Elizabeth; Arkansas City.
Haworth, Myrtle; Emporia.
Haworth, Ruth Veida; Leavenworth.
*Hawes, Edna Elizabeth; Wakefield.
Haynes, Virginia; Emporia.
*Heaton, Bertha Pauline; Pratt.
*Hegle, Bessie Amarillis; Lost Springs.
*Heikes, Esther Corine; Leona.
*Heimdale, Myrtle Mary; Madison.
Heisel, Celia; Wichita.
*Heisel, Vesta Victoria; Wichita.
*Helm, Lela Sarena; Solomon.
*Helmer, Sylvia Belle; Republic.
Henderson, Cecil Joe; Niotaze.
*Henderson, Ida Pauline; Neodesha.
*Henry, Maxine; Potter.
*Herdman, Helen; Piqua.
*Herrin, Mabel; Leavenworth.
*Hesher, Clara Leveda; Gypsum.
*Hess, Nettie Lillian; Oneida.
*Higgins, Audrey Murill; Marion.
*Hildinger, Clara Crolyn; Marquette.
*Hill, Antoinette; Larned.
*Hill, Jean Annis; Emporia.
*Hillabold, J. Esther; Stafford.
*Hillman, Elsie; Hamilton.
*Hillman, Vergie Marie; Hamilton.
Hilton, Zelma Louise; Emporia.
*Hilty, Rose Juanita; Johnson.
*Hineman, Alice May; Glen Elder.
*Hines, Ancistasia; Easton.
*Hinshaw, Edith Anita; White City.
Hitchcock, Carl Dewey; Pratt.
*Hoadley, Alice Belle; Cimarron.
*Hodaley, Alma Addeline; Cimarron.
*Hoag, Elva Mae; Lebanon.
*Hoag, Leota Abilene; Jewell City.
Hoatson, Hilda Grace; Emporia.
Hodges, Cathleen; Shawnee.
*Hodges, Lula Delaney; Valley Center.
Hodson, Janet Edna; Paola.
*Hohl, Jessie Alice; Bushton.
*Holland, Thelma Mae; Dunlap.
*Holland, Willa Harriett; Macksville.
*Holliday, Mrs. Daisy; Rose.
Hollingsworth, Evelyn Lola; Atchison.
Holmes, Fay Jones; Langdon.
Holmes, Violet Gwendolyn; St. John.
*Holt, Grace Esther; Barnes.
*Hook, Golda Lulu; Rossville.
*Hooper, Zella Mae; Axtell.
Hopkins, Ella Viola; Emporia.
*Hopkins, Jessie Adelaide; Lawrence.
Hoover, Beatrice; Burlingame.
*Horner, Hazel Ellen; Topeka.
*Horwege, Myrta C.; Belleville.
*Hostick, Lora Mae; Lebo.
*Hulton, Callie E.; Florence.
*Howard, Beulah; Mulvane.
Howard, Lucile Bessie; Mulvane.
*Howe, Lola Bernice; Belleville.
Howe, Priscilla; Emporia.
*Howell, Vada Marjorie; Ottawa.
*Hubbard, Helen Marguerite; Beloit.
*Hudson, Agnes Mary; Medicine Lodge.
*Hudson, Florence; Macksville.
*Hudson, Hazel Viola; Piedmont.
*Huff, Gertrude Lorena; Toronto.
Hughes, John D.; Emporia.
*Hughes, Jennie; Garden City.
*Hulpien, Nell Irene; Garden City.
*Huls, Ruby; Greensburg.
*Hultquist, Esther Marie; Lindsborg.
*Hulquist, Ruth; Lindsborg.
*Hume, Freeda Viola; Humboldt.
*Hume, Lenora Ann; Wellington.
Hummer, Carrie May; Pierceville.
Hummer, Twila Corene; Pierceville.
*Humphrey, Emogene; Cottonwood Falls.
Humphrey, Lucile; Emporia.
*Hunt, Ella Caroline; Americus.
*Hunt, Leta Lorena; Barclay.
*Hursh, Grayce Ferd; Macksville.
*Hursh, Mabel Edwyna; Macksville.
*Huser, Anna Helen; Neodesha.
*Hush, Gladys; Emporia.
*Hutton, Vivo Mae; Edgerton.
Ireland, Mrs. Agnes Gertrude; Emporia.
*Ireland, Ella A.; Oberlin.
*Ireland, Romala Marie; Bronson;
*Irwin, Faye Valeria; Barnes.
*Irwin, Mabel Esther; Baker.
*Jackson, Arthur Joel; Delia.
Jackson, James T.; Kincaid.
*Jacques, Katie May; Ensign.
*Jacques, Marion Ethel; Valley Center.
*Jacques, Verna Belle; Valley Center.
*Jagnon, Ella Elizabeth; White Water.
*James, Ava May; Welda.
James, Pauline Isabel; Emporia.
*Jamieson, Doris Evelyn; Rossville.
*Janison, Ruth Moore; Anthony.
Jasper, Ollie Belle; Lebo.
*Jeffrey, Maggie Lorene; Elmdale.
*Jernigan, Olyve; Osage.
*Johnk, Vina Marie; Yates Center.
*Johnson, Anna Marie; Alta Vista.
*Johnson, Bernice; Simpson.
*Johnson, Effie; Mayetta.
*Johnson, Ethel; Marquette.
*Johnson, Helen; Severy.
*Johnson, Jessie; Oxford.
*Johnson, Lillian; Clay Center.
Johnson, Manila; Wichita.
Johnson, Mary; Iola.
Johnson, Merrill; Phillipsburg.
*Johnson, Mrytle Rose; Bucyrus.
*Johnson, Nora Mae; Barclay.
Jones, Bernice Marie; Wichita.
*Jones, Mary Frances; Olathe.
Jones, Mayme; Kansas City.
*Jones, Opal Olga; Cawker City.
Jones, Paul Curtis; Reading.
Jones, Reta; Yates Center.
Jones, Ross; Le Roy.
*Jones, Vera Dell; Quincy.
Jordon, Leoti Bernice; Newton.
*Judy, Lucille Marie; Garden City.
*Kable, Mrs. Edna; Augusta.
Kathrens, Glenna; Arrington.
Kaup, Katherine Margaret; Downs.
*Kaup, Wilma Lois; Riley.
*Kayser, Kathryn; Bronson.
*Keith, George; Emporia.
*Kellenberger, Kathryn; Iola.
*Keller, Marion; LeRoy.
*Kellerman, Mabel; Burlington.
*Kelly, Mary Lavina; Neosho Rapids.
*Kemper, Mae Lenore; Alma.
*Kennedy, Mary Frances; Derby.
*Kenton, Florence; Bonner Springs.
*Kenton, Ethel Gladys; Haddam.
*Kenton, Lola; Bonner Springs.
*Keys, Thelma May; Olathe.
*Kidd, Clara Susanna; Tonganoxie.
*Kiefer, Grade Evelyn; Lawrence.
Kilian, Helen Elizabeth; Junction City.
*Kimball, Helen Lucile; Centralia.
*Kimble, Mrs. Desta; Emporia.
*Kimble, Ellis; Liberal.

COLLEGE FRESHMEN—*continued.*

*Kinder, Zelpha; Fall River.
*King, Beryl S.; Fowler.
*King, Gail Marjorie; Little River.
*King, Iona M.; Fowler.
*King, Vivian Ray; Atchison.
*Kinkel, Emma; Wilsey.
*Kinney, Ilo; Cherryvale.
*Kinney, Lucile; Cherryvale.
*Kirby, Jean Davis; Cedar Vale.
*Kirby, Mary Louise; Cedar Vale.
*Kirk, Hazel Gertrude; Flint Ridge.
*Kirkeminde, Tille; Council Grove.
*Kirkpatrick, Mabel Minnie; Eureka.
*Kirkpatrick, Mildred Florence; Clifton.
*Kirkpatrick, Nelle Myrtle; Eureka.
*Klein, Matilda Rosa; Fowler.
*Kline, Hilda; Tonganoxie.
*Knetzer, Mary; Erie.
*Knight, Ethel; Bucyrus.
*Knight, Georgia Mary; Topeka.
Knight, Ila Thelma; Jamestown.
*Knight, Sara Larne; Topeka.
*Kniseley, Mabel Anna; Wichita.
*Knoch, Frieda; Lincoln.
*Knop, Esther Pearl; Lawrence.
Knowles, Flo; Emporia.
*Kock, Bernard; Fredonia.
*Koch, Gladys Frances; Hope.
Kohler, Frances; Lincoln.
*Kohler, Ona Florence; Olathe.
Koller, Emma Julia; Moundridge.
*Korb, Clara; Lawrence.
*Kramer, Carrie Elizabeth; Cheney.
Krehbiel, Ivan Reed; Scott City.
*Kroeker, Louise; Cheney.
*Kugler, Dorothy Jane; Strong City.
Kunz, Charlotte Ann; Emporia.
*Laird, Jennie Ann; Abilene.
*Laird, Lucile; Emporia.
*Lake, Mrs. Ella Mae; Medicine Lodge.
Lake, Raymond; Eskridge.
*Laney, Lela Ione; Chapman.
*Langley, Eva; Olpe.
*Lannagan, Edna Marie; Burlington.
*Lannon, Elva May; Soldier.
*Large, Evelyn; Wellington.
*Larkins, Clara Ellen; Marion.
*Larson, Helen Adena; Marquette.
*Larson, Mrs. Rosa Rhodes; Fowler.
*LaRue, Lela; Hamilton.
*Laswell, Letha; Rossville.
*Laughlin, Emelyn Elizabeth; Americus.
*Lavely, Zella Pearl; Wauneta.
Layton, Ida Elizabeth; Irving.
Leavell, Eva Lois; Allen.
*Leasure, Zillah; Solomon.
*LeBien, Alvina Marie; Lincoln.
*Leftridge, Nelle; Kansas City.
Lehmer, Jacob; Americus.
*Lentz, Mrs. Edith; Arlington.
*Leonard, Angela; Wamego.
Leonard, Esther Jane; Yates Center.
*Leonard, Mona; Cedar Vale.
*Leslie, Dora Mae; Lyndon.
*Lewis, Bessie A.; Strong City.
*Lewis, Flavel Marie; Hiawatha.
Lewis, Hazel; Topeka.
*Lewis, Lorena; Eureka.
*Lidikay, Lena; Wellsville.
*Lindholm, Vera; Falun.
*Livengood, Miami; Morrill.
Logeman, Magdlyn; Atchison.
*Long, Martha.
*Lorimer, Ruth; Olathe.
*Lowman, Delma; Iola.
*Lupton, Elizabeth; Sterling.
*Luthen, Lucy; Reading.
*Lyne, Vera; Oak Hill.
*Lynn, Thelma; Wakeeney.
Lyon, Edwin; Admire.
*Lyon, Fern Juanita; Grenola.
*Lyon, Rudenia Florence; Fredonia.
*Lyon, Ruth; Simpson.
*McAllister, Ollie; Spivey.
*McAllister, Hattie; Holton.
*McBroom, Nannie; Circleville.
McCabe, Edith Marie; Lyons.
McCahan, Helen B.; Topeka.
*McCandless, Bessie D.; Cottonwood Falls.
*McCandless, Lizzie B.; Cottonwood Falls.
*McCandless, Ruth; St. John.
*McCartney, Mrs. Helene; Emporia.
McCartney, Helen; Attica.
*McCarter, Vena Pearl; Lewis.
*McCauley, Stella L.; Fowler.
*McCollough, Mary Truthful; Chanute.
*McCollough, Minnie; Chanute.
*McCorkle, Cecile; Furley.
*McCormick, Alice; Elmo.
*McCulley, Ina Grace; La Harpe.
*McCullough, Nina; Belleville.
McCutcheon, Martha Mary; Emporia.
McDaniel, Raymond; Admire.
*McDivitt, Beulah; Alta Vista.
*McEntarfer, Wilma; Eureka.
*McEntarfer, Willis; Eureka.
*McFarland, Frances; Cimarron.
*McFarland, Ida; Gardner.
*McFarland, Lydia; Cimarron.
*McFarland, William; Cimarron.
McGahan, Lloyd; Burns.
*McGhee, Ruby Lillian; Garden City.
McGinley, Norma; *Rogers, Ark.*
*McGrath, Helen; Holton.
*McInner, Hazel; Allen.
*McKeever, Mrs. Myrtle, *Tulsa, Okla.*
*McKibben, Hazel; Lewis.
McKinley, Helen Sarah; Udall.
*McKinley, Hattie; Admire.
McKinney, Dorothy; Iola.
*McKinnery, Fleta; Council Grove.
McKinney; Stella; Lewis.
*McKnight, Lulu; Topeka.
*McLean, Harriett; Holton.
*McLean, Marie; Salina.
*McLean, Nellie; Lawrence.
*McLean, Rhoda; Lawrence.
*McMichael, Edith Gertrude; Corwin.
*McMillen, Inez; Lost Springs.
*McMullen, Edith; Melvern.
*McNerney, Anna; Lucas.
*McNerney, Eldora; Lucas.
*McPherson, Helen Pauline; Rossville.
*McStay, Helen; Downs.
*Maguire, Faye; Little River.
*Mahoney, Bessie; Scranton.
*Mallory, Nora; Lebanon.
Maloney, Mildred; Tonganoxie.
*Manley, Alice; Cheney.
Manley, Vivian; Topeka.
Manley, Ray Franklin; Diamond Springs.
*Manning, Ruth; Mt. Hope.
*Manon, Iva Viola; Gypsum.
*Manon, La Veda Varena; Gypsum.
*Mansell, Anna Rose; Willard.
*Mardis, Lola Gladys; Bluff City.
*Markley, Hetty; Scranton.
*Marsh, Hattie; Neodesha.
Marshall, Hazel; Emporia.
*Martin, Lewis; Neosho Falls.
*Martin, Mary; Lane.
Mason, Ione Gladys; Yates Center.
*Mason, Marguerite M.; Abilene.
*Nastubm Urebel; Ramona.
*Matthews, Elba Elizabeth; Eureka.
*Mathewson, Elizabeth Ruth; Hiawatha.
*Matthew, Estella Pearl; Claflin.
*Mattingly, Mae; Vining.
Maxwell, Addene; Jetmore.
*Maxwell, Alta Ruth; Emporia.

COLLEGE FRESHMEN—*continued.*

Maxwell, Fern; Americus.
Maxwell, Sara Leslie; Topeka.
*Mayne, Mildred Newton.
*Meecke, Louise; Wichita.
Meek, Hazel; Centralia.
*Michael, Eva; Waverly.
Michael, Mary; Burlingame.
*Miles, Mildred Martha; Sedgwick.
Miller, Blanche; Lebo.
*Miller, Clara Edith; Valley Center.
*Miller, Clara; Great Bend.
*Miller, Ethel Mary; Burton.
*Miller, Fern; Hutchinson.
*Miller, Fleta; Cottonwood Falls.
*Miller, Frances Lillie; Severy.
*Miller, Hester; Mamlin.
Miller, Hortense; Emporia.
*Miller, Jennie Pearl; Mayetta.
*Miller, Jessie Bernice; Ingalls.
*Miller, Lelia Lillian; Pratt.
*Miller, Lucy Sarah; Garden City.
*Miller, Myrtle Eileen; Lucas.
*Miller, Rebecca Florence; Douglass.
*Mills, Marie Esther; Bucklin.
Miner, Bess Edna; Burlingame.
*Minger, Dorothy; Bern.
*Minton, Frances; Neosho Falls.
*Mitchell, Helen; Topeka.
*Mitchell, Leota; Moran.
*Mitchell, Thelma; Centerville.
Mitchell, Willa Olivia; Lawrence.
*Monfort, Jessie Mildred; Ottawa.
*Mood, Mary Ellen; Emporia.
*Moon, Isaac Deane; Kingman.
*Moon, Zetta May; Greenleaf.
*Mooney, Bertha B.; Lebo.
*Moore, Clara Rosalis; Phillipsburg.
Moore, Mrs Effie Lee; Emporia.
*Moore, Frances Aleatha; Louisburg.
*Moore, Honor; Neosho Falls.
*Moore, Marian; Hamlin.
*Moore, Opal Gladys; Bronson.
*Moore, Walker Neil; Phillipsburg.
*Morrett, Florence; Topeka.
*Morris, Della Ruth; Emporia.
*Morris, Lynn; Winfield.
Morrison, Bernice; Canton.
*Morrison, Laura Mildred; Hillsdale.
*Morse, Ellen Emma; Marion.
Morrow, Veneta B.; Spearville.
*Mosley, Ruth Alice; Le Roy.
*Mullikin, Dollie Belle; Montezuma.
*Mummey, Bernice; Hamilton.
*Munger, Muril; Muscotah.
*Murdock, Catherine Hardie; Edgerton.
*Murphy, Helen Mildred; Edgerton.
*Murphy, Mildred; Lincoln.
Murphy, Nelle Bee; Osawatomie.
Murray, Lee Walter; Neosho Falls.
*Myers, Theresa Evelyn; Windom.
*Myers, Veda Mae; Windom.
Naill, Nettie Mabel; Delia.
*Nash, Hazel E.; Topeka.
*Nattier, Lillian Emily; Neodesha.
*Neal, Ruth Louise; Paola.
*Neff, Lorena E.; Perth.
*Neis, Kathryn Eva; Hope.
*Nelson, Blenda Kathryn; Marquette.
*Nelson, Esther Leora; Herington.
*Nelson, Helen I; Olathe.
*Nelson, Juanita; Mulvane.
*Nelson, Mildred Agnes; Carbondale.
Nemecheck, Grace Evangeline; Abilene.
*Ness, Edna Katherine; Havana.
*Newell Evelyn Carrie; Carbondale.
*Nichols, Ada H.; Lucas.
*Nichols, Dora Lucile; Kincaid.
*Nichols Mary Elizabeth; Emporia.
*Nichols, Myrtle D.; Kincaid.
*Neilsen, Julia; Allen.
*Noble, Mary E; Highland.
*Noeker, Bessie Frances; Wellsville.
*Noll, Genevieve Ross; Wamego.
*North, Edna Florence; Bazaar.
*North, Frances Margaret; Clay Center.
*Norton, Nellie Elizabeth; Cawker City.
*Noron, Nellie Elizabeth; Cawker City.
*Oakley, Irene Evangeline; Topeka.
Odell, Anna Belle; Topeka.
*Odell, Thelma Irene; LeRoy.
*O'Farrell, Ruth Eloise; Emporia.
*Ogle, Emmet Alfred; Newton.
*Ogleby, Leat LaVerne; Admire.
*O'Hara, Esther Louise; Hutchinson.
O'Keefe, Ruth Winifred; Dighton.
*Olinger, Mildred; Greensburg.
Olivia Annie Laurette; *Oklahoma City, Ok.*
*Oliver, Hazel Elizabeth; Glen Elder.
*Oliver, Julia George; *Oklahoma City, Okla.*
*O'Laughlin, Helen Genevive; Lakin.
*O'Laughlin, Jennie R.; Lakin.
*Olson, Pearl Eldora; White City.
*Orr, Mary Belle; Winchester.
*Oshel, Florence Octava; Gardner.
Ott, Lowell Roger; Hamilton.
*Ottaway, Letha Mable; Haviland.
*Ottaway, Mildred Bee; Haviland.
Overfield, Jeanette Lola; Independence.
Owen, Jennie Small; Emporia.
*Owen, Mark H. C.; Williamsburg.
Owen, Oscar; Elk City.
*Pack Helen Virginia; Cedar Vale.
*Page, Lucy Elizabeth; Neodesha.
*Page, Sara; Detroit.
*Page, Virginia Isabella; Hamilton.
*Paine, Edna Margaret; Burden.
*Palmer, Laura Gertrude; Phillipsburg.
*Pardee, Hazel Trilly; Eskridge.
*Parker, Madge Anna; Neosho Rapids.
*Parker, Mary Ellen; Chanute.
*Parker, Pansy May; Neosho Rapids.
*Parks, Hazel Leone; Cedar Vale.
*Parsons, Faye Balinda; Neodesha.
Pasley, Alpha Candace; *Jenks, Okla.*
*Pate, Rachel Gertrude; Wauneta.
*Pate, Ruth Gladys; Wauneta.
*Patterson, Delmar Glenn; Bucklin.
*Patterson, Ethel May; Emporia.
*Patterson, Genevieve; Barnes.
*Patterson, Gladys Sara; Halstead.
*Patterson, Paunee Rozel; Marion.
*Paup, Helen M.; Wichita.
*Payne, Clara Irene; Kinsley.
*Peele, Fern; Eureka.
*Pelzell, Elsie; Harper.
Pelzell, Helene; Harper.
*Pelzell, Lillian; Harper.
Pemberton, Roy Nelson; Council Grove.
Pennell, Ruth Evelyn; Lawrence.
*Penny, Hope; Sparks.
*Perreault, Neva Marie; Clay Center.
*Peter, Murrell L.; Olathe.
*Peterson, Leona C.; Enterprise.
*Petford, Nellie; Emporia.
*Pfleger, Helena Elizabeth; Eudora.
*Phelps, Lois Estella; Ottawa.
Phillips Edmund David; Belpre.
*Phillips, Gladys Helen; Admire.
*Phillips, Grace Mildred; Chapman.
Pile, Clare Henrietta; Parsons.
Poindexter, Helen Hatfield; Grew Grove.
*Porter, Gladys Hannah; Auburn.
*Porterfield, Lena Leota; Circleville.
Potter, Frances Ruth; Emporia.
*Powell, Eva Alberta; Coffeyville.
Powers, Rex Palmer; Emporia.
*Powell, Wilma May; Burlingame.
Prater, Clarence Scott; Council Grove.

COLLEGE FRESHMEN—*continued.*

*Prebble, Geneva Blanche; Alexander.
*Price, Beulah Bernice; Anthony.
*Price, Benjamin Ferguson; Reading.
*Price, Edith Mary; Howard.
Price, John Leslie; Reading.
*Price, Radah June; Stilwell.
*Pryor, Zerelda Belle; Ingalls.
*Puff, Gertrude May; Hartford.
*Purvis, Mildred Amanda; Wellsville.
Putman, John Harold; Admire.
Pyke, Marie; Yates Center.
Pyle, Lucien Robert; Emporia.
Quinn, Elizabeth Louise; Elwood.
*Quick, Jessie Delena; Harveyville.
*Radebaugh, Grace; Frankfort.
*Rahn, Alpha Faye; Florence.
*Ramsey, Clarice Alberta; Wilsey.
Ramsey, Evelyn Myra; Ensign.
Ramsey, Mary E.; Burlington.
*Randolph, Helen Geals; Halstead.
*Randolph, Violet Clarinda; Fairview.
*Ransdell, Hannah Electa; Auburn.
*Ransom, Izma Ruth; Derby.
*Rasher, Rena; Solomon.
*Rausmussen, Lillian Louisa; Clifton.
*Read, Wilma Mary; Overbrook.
*Reaka, Wauneta Minnie; Bushong.
*Redpath, Lillie Elza; Olathe.
*Reed, Bertha Mildred; Lyons.
*Reed, Ethel M.; Sabetha.
*Reed, Ruth Elizabeth; Lyons.
*Reede, Leonora Ednah; Kansas City.
*Reef, Carrie Elijah; Smithton, Mo.
*Regnier, Mildred; Wamego.
*Reid, Bertha Lyle; Carbondale.
*Render, Ethel Holgate; Horton.
*Render Tillie Nubia; Powhattan.
*Rennick, Leona; Rosedale.
*Reynolds, Flora Eleanore; Humboldt.
Reynolds, Lois Lucille; Mildred.
*Rex, Pearl M.; La Cygne.
*Rhea, Nelle Marica; Utica.
Rhoton, Forrest Clifford; *Guymon, Okla.*
*Richard, Delia Dora; Irving.
*Rickard, Edythe Edwards; Spivey.
Ricker, Ruth; Emporia.
Riegel, Leon Frances; Wilsey.
*Rieger, Grace Mary; Bonner Springs.
*Rieger, Hannorah H.; Bonner Springs.
*Riggs, Esther Mae; Wichita.
*Riley, Mary Luella; Wamego.
Rinehart, Clarence Walter; Arkansas City.
*Rising, Blanche Elvira; Almena.
*Rising, Viva Pearl; Almena.
*Rittenhouse, Edna; Yates Center.
*Robbins, Riley Oran; Yates Center.
*Roberts, Gladys Marie; Paola.
Robertson, Frankie Mildred; Coffeyville.
*Robinson, Anna; Florence.
*Robinson, Ocie Beryl; Iola.
Robison, George; Marion.
*Rodewald, Sophie; Vassar.
*Rody, George Edward; Downs.
*Rogers, Clarence William; Toronto.
*Rogers, Corine Zula; Perry.
Rogers, Sallie Rosalee; Princeton.
*Romeiser, Ota Clara; Glasco.
*Roseberry, Marguerite Albertine; Osawatomie.
Rosensteil, Aletha Fern; Goddard.
Rosensteil, Fanchon Ardis; Goddard.
*Ross, Edith Ellen; Alta Vista.
*Ross, Ethel Mary; Alta Vista.
*Rothrock, Neva Blanche; Culver.
Roundtree, Ruth Maldarnie; Ash Grove.
*Rowe, Maurive Harriet; LeRoy.
*Rucker, Arthur Warwick; Council Grove.
*Rush, Lola Ethel; Eskridge.
Rumery, Mae Lela; Columbus.
*Russell, Nina Blanche; Lakin.
*Russell, Willa Grace; Bronson.
*Ryan, Ollie Belle; Konantz.
*Silkett, Della Donna; Downs.
Simkins, Daniel Caldwell; Reading.
*Simmons, Leota Mae; Allen.
*Skinner, Julia Mae; Nortonville.
*Skoag, Mabel Caroline; Scranton.
*Slack, Shirley; Chanute.
Slaught, Helen Lora; White City.
Slifer, Charles Clinton; Nickerson.
*Sloan, Gertrude Maybelle; Zenda.
Sloan, Ruth Mae; Zenda.
*Small, Vivian Valentine; Ford.
*Smethers, Beth Delilah; Elmdale.
*Smith, Alta Mabel; Ocheltree.
Smith, Anna Louisa; *Collinsville, Okla.*
*Smith, Annabel Lucile; Scott City.
*Smith, Audrey Nadine; Florence.
*Smith, Bernetha Oved; Norwich.
*Smith, Beulah Belle; Clay Center.
*Smith, Celia Marie; Liberty.
*Smith, Clara Jane; Emporia.
*Smith, Elizabeth Burtis; Atchison.
*Smith, Eva Floy; Culver.
*Smith, Fred Oliver; Hamilton.
*Smith, Inez Allie; Barclay.
*Smith, Irene Louisa; Topeka.
*Smith, Lessie; Cimarron.
*Smith, Marcella Adams; Horton.
*Smith, Margaret Pearl; Burlingame.
*Smith, Pauline Ann; Topeka.
*Smythe, B. Marie; Salina.
*Snodgrass, Bernece; Effingham.
*Snodgrass, Marjorie; Alexander.
Snyder, Francis Stanley; Logan.
*Snyder, Kathryn Rose; Whiting.
*Spangler, Helen Lucile; Burden.
*Spears, Leone Adell; Louisville.
Spencer, Raymond George; Emporia.
*Spencer, Venus; Concordia.
Spielman, Mabel; Overbrook.
Spiker, Katherine Pearl; Emporia.
*Spoonamore, Fannie; Coffeyville.
Sprague, Allen; Powhattan.
*Sprout, Robert Noel; Belle Plaine.
*Squire, Marian Jessie; Topeka.
*Stafford, William Bryan; Easton.
Stallard, Dean; Arkansas City.
*Stallard, Gladys; *Olga, Mo.*
*Stamper, Mary Margaret; Whiting.
*Stanbery, Elva M.; Jewell.
*Stark, Argie Raymond; Emporia.
*Stark, Mrs. W. O.; Solomon.
*Stenger, Cassie B.; Council Grove.
*Stice, Faye T.; Alta Vista.
*Stice, Rosa E.; Alta Vista.
*Stinson, Floy Frances; Florence.
Stiles, Sue; Moline.
*Stolp, Edna Alice; Burden.
*Stout, Ida Mae; Kingman.
*Stover, Lillian Rose; Lawrence.
*Scott, Harriet Newel; Kirwin.
*Scott, Hattie Lucinda; Alta Vista.
*Scott, Jane Eletha; Carbondale.
Scott, Marguerite Rebecca; Topeka.
*Scott, Mildred; Topeka.
*Scott, Nila Martha; Arkansas City.
*Searl, Zola; Herrington.
*Secrest, Lois Ann; Wellsville.
*Sedgwick, Gladys Anne; Reading.
*Self, Myrtle Grace; Cedar Point.
*Settle, Alberta Grace; Reading.
*Settle, Ashford Clinton; Quincy.
*Shackleford, Marie Ruth; Wellsville.
*Shaffer, Orla Geneva; Washington.
*Shaner, Helen; Lost Springs.
*Sharp, Leona; Tonganoxie.
*Sharper, Bessie Gladys; Mackville.
*Sharpe, Gladys G.; Axtell.
*Sheets, Laura Louise; Downs.
Shepherd, LeRoy; Leavenworth.

COLLEGE FRESHMEN—*continued.*

*Sheppard, Malta; Wellsville.
Shields, Ralph Wilbur; Emporia.
*Shoemaker, Irene; Severy.
*Shottenkirk, Myrl Mollie; Garfield.
Shinn, Rhoda Marinda; Burrton.
Showers, Harry Homer; Neosho Rapids.
*Shuler, May Esther; Bucklin.
Shultise, Doris Iva; Wichita.
*Siegfried, Kathryn Irene; Hoisington.
*Sierman, Mary Ellen; Haskell.
*Strain, Ethel Anna; Osage.
*Strange, Wm. J. Bryan; Blue Rapids.
*Strange, Charles Eddie; Blue Rapids.
*Strong, Edith Velma; Overbrook.
*Stuart, Ruth Elmena; Glen Elder.
*Studebaker, Edith M.; Saffordville.
*Suiter, Leta Belle; Macksville.
*Suiter, Pearl Minnie; Macksville.
*Suits, Fern Zoda; Fredonia.
*Suits, Grace Edna; Fredonia.
Summerfelt, Mary Elizabeth; Valley Falls.
Supple, Hattie Eleanor; Michigan Valley.
Supper, Helen Louise; Scranton.
*Sutton, Maude Marie; Greeley.
*Sutton, Pearl Julia; Greeley.
*Swafford, Pearl Eva; Anthony.
Swain, Helen Opal; Erie.
*Swank, Alice Jane; Ottawa.
*Swanson, Mabel Evalena; Douglass.
*Tague, Viola Lucy; Hutchinson.
Talbott, William Harold; Emporia.
*Talbot, Teboy Irma; Haven.
Tangeman, Cora Almy; Newton.
Tangeman, Elizabeth Matilda; Newton.
*Tanner, Iva May; Formoso.
*Tate, Rose May; Scandia.
*Taylor, Archie Henry; Mahaska.
*Taylor, Gladys Iola; Winfield.
*Taylor, Rachel Elizabeth; McLouth.
*Techemeyer, M. Augusta; Wellsville.
*Tecter, Lila Pearl; Canton.
*Tecter, Nellie Alvena; Canton.
*Thomas, Hennie Merida; Barclay.
*Thompson, Gladys Mary; Elmdale.
Thompson, Laura Etta; Alma.
*Thompson, Lila Lucile; McPherson.
*Thompson, Lillian Maye; Blakeman.
*Thompson, Mrs. Lou B.; Cottonwood Falls.
*Thompson, Mary Evans; Mankato.
*Thompson, Mattie Beatrice; Hope.
*Thompson, Mildred Agnes; Abilene.
*Thompson, Myrtle Belle; Oswego.
*Thompson, Nellie Katherine; Topeka.
*Thomson, Elizabeth Irene; Osage.
*Thomson, Evelyn Mary; Osage.
*Thorp, Hazel Mae; Peabody.
*Thuron, Leona; Macksville.
*Titus, Mary E.; Osage.
*Todd, Marvel; Chapman.
*Todd, Myrtle; Chapman.
*Tonar, Agnes; Leavenworth.
*Topliff, Lena I.; Jewell.
*Townsley, Zora Luella; Holton.
*Tracy, Zelma May; Topeka.
*Trager, Margaret Leon; Bucklin.
*Trechesel, Bertha Miller; Idana.
*Troll, Matilda Emily; Emporia.
*Trott, Frances Maude; Garden City.
Tryon, Lawrence Edwin; Hutchinson.
*Tucker, Vallie Almira; Nickerson.
*Tunney, Blanche; Emporia.
*Tunney, Ethel Alice; Emporia.
*Turner, Dortha Estella; Clifton.
*Turmer, Georgia Hazel; Gardner.
*Tutcher, Myrtle Iva; Overbrook.
*Tyler, Bess Catherine; Fredonia.
*Tyler, Jessa Iris; Fredonia.
*Tyrrell, Faye Lorena; Perry.
*Unruh, Bertha Marie; Newton.
*Unruh, Marguerite Louisa; Durham.
*Upshaw, Bertha Mae; Russell.
*Upshaw, Bess Leona; Russell.
Valyer, Herbert Arden; Allen.
Van Buren, Edith; Sabetha.
*Van Middlesworth; Alma E.; Augusta.
*Van Scoyac, Nola; Oak Hill.
Van Voorhis, Mrs. Faith; Kinsley.
Van Voorhis, Harvey C.; Kinsley.
Van Winkle, La Rue; Oxford.
*Varner, Susie E.; Nortonville.
Vaughn, Mattie E.; Emporia.
*Veal, Marian; Downs.
*Vermillion, Rosa Florence; Ransom.
*Viergever, Trinnie Laveone; Willard.
*Vincent, Edna Myrtle; Winfield.
*Vincent, Estella Mae; Macksville.
*Vincent, Esther; Nortonville.
*Vincent, Ruby; Burns.
*Vogelman, Caroline Rowena; Burns.
Vollmer, Florence Marie; Emporia.
*Voshell, Cecil Mae; McPherson.
*Wadely, Beulah Almeda; Lebanon.
*Wagner, Flora Margaret; Yates Center.
*Wagner, Mary; Elmira.
*Wagner, Schuyler; Buffalo.
*Wahl, Ethel May; Independence.
*Waits, Florence Elizabeth; Cassody.
*Wallace, Fern; Winfield.
*Wallace, Mary Elizabeth; Toronto.
*Wallack, Mrs. Faye; Emporia.
*Walter, Minta Claire; Scandia.
*Walthall, Greta Marie; Healy.
*Warders, Thomas; Marysville.
Ware, Elmer Gifford; Americus.
*Warner, Stella Marie; Bucklin.
*Waterman, Mabel; Marie.
*Watkins, Wilbur Ellis; Grenola.
*Watson, Addie Elizabeth; Iola.
*Watson, Alena Maude; Vining.
*Watson, Vena Lena; Little River.
Watts, Myrtle; Burlington.
*Watts, Clara Ellen; Chetopa.
*Waymire, Lottie Elizabeth; Home.
Weaver, Bessie Elizabeth; Dunlap.
Weaver, Blanche; Admire.
*Weaver, Irma Christine; Holliday.
*Webb, Ruth Louise; Tonganoxie.
*Webger, Faye Opal; Quincy.
*Weber, Ella Dora; Ellinwood.
*Weber, Elma Anna; Arnold.
*Webster, Mabel Cora; Derby.
Weide, Clara; St. John.
*Weight, Ruth Inez; Holton.
*Weimer, Mabel Agnes; Emporia.
*Weir, Vera Viola; Glen Elder.
Welch, Marion; Emporia.
*Welch, Rugy Angeline; Leavenworth.
*Weldon, Mary Alice; Garden City.
*Weldon, Iva Myrtle; Garden City.
*Wells, Emily Josephine; Ft. Scott.
*Wells, Ola Maude; Dunlap.
Wells, Pearl; Arkansas City.
*Wendale, Nettie Fae; Marysville.
Wenzel, Rose Amelia; Herndon.
*West, Harriett Anne; Cawker City.
*West, Hazel Chalmer; Blue Mound.
*West, Rosa Belle; Topeka.
Weston, Vesta M.; Emporia.
*Wetzel, Mildred; Harryville.
Weyler, Lawrence V.; Emporia.
*Wheeler, Lena Aphelya; Greensburg.
*Whitaker, Mary Irene; Nortonville.
White, Charles, Othel; Nickerson.
*White, Hazel C.; Buffalo.
Whitely, Otia; Emporia.
*Whitmore, Ella Gladys; Admire.
*Whitney, Mary Leona; Waldron.
*Whitney, Thelma Pauline; Garden City.
*Whitten, Janet Laberta; Wakarusa.

COLLEGE FRESHMEN—*continued.*

*Wichert, Elizabeth Jane; Emporia.
*Wilconson, Dorothy Edna; Fowler.
*Wilcoxson, Hazle Elizabeth; Meriden.
*Wiley, Jessie Jane; Hunnewell.
*Wilkerson, Florence Anne; Lewis.
*Wilkins, Glenola Helen; Medicine Lodge.
*Willaby, Ethel Addie; Toronto.
*Williams, Alice Minerva; Mayfield.
*Williams, Bessie Irene; Lane.
*Williams, Carrie Lorena; Downs.
*Williams, Henrietta; Belle Plaine.
Williams, Lewis; Emporia.
*Williams, Nellie Maude; Pretty Prairie.
*Williams, Ruth May; Marion.
*Williams, Tossie Mae; Tonganoxie.
*Williams, Vera Marguerite; Liberty.
Willoughby, Will; Coyville.
*Willows, Olive Merle; Scranton.
*Wilmore, Hattie Lovana; Emporia.
Wilmore, Myrtle Deborah; Emporia.
*Wilson, Emma Webber; Winfield.
*Wilson, Hazel Pauline; Downs.
*Wilson, Herbert F.; Kansas City.
*Wilson, Mae Lois; Carbondale.
Wilson, Mildred; Mackville.
*Wilson, Mildred; Mackville.
*Wilson, Ruth Jeanette; Topeka.
*Wilson, Vera Julia; Wichita.
*Winkley, Grace Edith; Marion.
*Winner, Zella Marie; Topeka.
*Winter, Ruth Ellen; Montrose.
Winterbottom, Mary Alice.
*Wise, Dale Laura; Louisburg.
*Wise, Grace Russell; Cawker City.
*Wolf, Cecyl Hope; Haven.
*Wolfe, Mae Zelma; Grenola.
*Wolgast, Fairy Mae; Alta Vista.
*Wolverton, Rose Marie; Barnes.
Wood, Mary Irene; Garfield.
*Woods, Mrs. Laura; Newton.
*Woods, Nora Ellen; Wichita.
*Woodside, Verna Viola; Carbondale.
*Woodward, Jennie Marie; Yates Center.
*Woolheater, Rachel Lockwood; Marion.
*Woolsey, Eva Alice; Emporia.
*Wordlow, Theresa Helen; *Muskogee, Okla.*
*Worley, Laura Belle; McPherson.
*Worswick, Ethel May; Perry.
*Woyanne, Mabel Irene; Marion.
*Wright, Maye; Miltonvale.
*Wyatt, Florence Alta; Newton.
*Wynkoop, Alberta; Highland.
*Wynkoop, Mateel Bondurant; Highland.
*Yapp, Helen; Jewell.
*Yates, Priscilla Phern; Eudora.
*Yeager, Dora A.; Canton.
*Yearout, Mabel Alys; Lyndon.
*Yerkes, Elva Irene; Selma.
*Yost, Grace Elizabeth; Vassar.
Young, Lloyd Percy; Moran.
Young, Murrell Leta; Eskridge.
*Young, Sarah Jane; Wakefield.
*Zick, Helen Olga; Garden City.
*Zimmer, George Giddens; Larned.
*Zollars, Beulah; Emporia.
*Zuber, Joseph Dewey; Waldron.
*Zwanziger, Beulah Caroline; Alma.

NORMAL TRAINING HIGH SCHOOL.

COMPLETED WORK FOR DIPLOMA, JULY 26, 1918.

Davis, Theodoria Hartsel; Emporia.
Godsey, Mabel; Emporia.
Holm, Olga Matilda; Emporia.
Litchfield, Tessie; Raymond.
McIntire, Nina; Emporia.
McIntire, Iva; Emporia.
Robison, Grace; Holton.
Rogers, Clarence William; Toronto.
Rogers, Mrs. Clarence William; Toronto.
Nottorf, Eunice Verna; Emporia.
Shirkey, Kathryn; Madison.

CANDIDATES FOR DIPLOMA, JULY 31, 1919.

Balmer, Lydia Marie; Emporia.
Behmer, Melba; Hamilton.
Elliott, Floyd; Garnett.
Focht, Marie; Emporia.
Franklin, Blanche; Emporia.
Grant, Florence; Fulton.
Haas, Lee; Durham.
Johnson, Challice; Phillipsburg.
Mason, Marguerite; Olivet.
Selig, Emma Leanore; Olivet.
Shank, Winnie Maude; Fall River.
Spence, Mildred Lucile; Emporia.
Stephens, Jessie; Emporia.
Stout, Martha Delphine; Emporia.
Strutzel, Clara Magdelean; Olpe.
Tracy, Marie; Americus.

CANDIDATES FOR DIPLOMA, JULY 31, 1919

Bramwell, Nelda Belle; Concordia.
Clow, Ruth; Emporia.
Davis, Mount Ervin; Douglass.
Froberg, Edwin; Emporia.
Lloyd, Wilma; Emporia.
Mayberry, James; Emporia.
Triplett, Dorothy; Emporia.

HIGH SCHOOL SENIORS NOT COMPLETING WORK FOR DIPLOMA.

Akins, Flora May; Halstead.
Anderson, Nettie; Emporia.
Bird, Sarah; Haviland.
*Blymm, Mabel; Fredonia.
*Boone, Mary Madeline; Topeka.
Boyles, Walter; Bennington.
*Brown, Luvenia; Topeka.
*Burton, Doris; Parkerville.
*Burton, Howard; Council Grove.
*Butz, Effie; Oneida.
*Cannon, Effie; Dunlap.
Carpenter, Mae Irene; Paola.
*Carroll, Jessamine; Emporia.
*Cartmel, Alma; Emporia.
Cary, Clarence; Eskridge.
Casey, Samuel; Burlington.
Clark, Wayde; Burlington.
Cloud, Laura; Emporia.
*Clyde, Minnie; Emporia.
*Coker, Lucinda; Earlsboro.
Concannon, Mabel; Emporia.
*Conrow, Louise; Brookville.
*Corrigan, Murrel; Effingham.
*Cougher, Mary; Piedmont.
*Curtiss, Helen; Lawrence.
Day, Wayne; Eskridge.
Day, Irba; Selma.
*Devlin, Claire; Leavenworth.
*Dixon, Grace Sara; Leon.
Dreese, Percy; Council Grove.

HIGH SCHOOL SENIORS NOT COMPLETING WORK FOR DIPLOMA—*continued.*

*Dutton, Murrell; Emporia.
*Erikson, Anna; Junction City.
Fisher, Mary Josephine; Emporia.
*Fox, Helen; Kinsley.
Graser, Ralph; Atchison.
Frew, Rovert; Cottonwood Falls.
*Getter, Pauline; Leon.
Gist, Mrs. Effie; Emporia.
Goodwin, Anna; Elk.
*Graverholz, Elizabeth; Kensington.
Griffith, Fred; Emporia.
Hahn, Rovert; Burlington.
Hamilton, Robert L.; Topeka.
Harris, Arline Jessie; Ottawa.
Harris, Mary L.; Haddam.
Hart, Glen; Emporia.
Harvey, Reva; Emporia.
Heckert, Mrs. Maggie; Tescott.
Heeney, Davis Geeslin; Hunnewell.
Helsterg, Eugene; Randler.
Henry, Ray; Burlington.
Henson, Cecil; Kiowa.
*Hershey, Dollie; Milton.
*Hodges, Lola Elizabeth; Ottawa.
Hoffman, Karl Anthony; Burlington.
Holcomb, Mrs. Lulu; Mitchell.
*Holm, Olga; White City.
*Holrody, Flora; Sedan.
Howell, Thomas; Emporia.
Iobe, Victor; Emporia.
Jenkins, Mrs. Mabel; Osage.
Johnson, Edith; Wilsey.
*Knight, Paul; Emporia.
Laird, Mrs. Anna; Emporia.
*Lansdown, Katie; Wichita.
Liggett, Cecil; Rosalia.
*Lindholm, Victoria; Falun.
*Litchfield, Tessie; Raymond.
Lloyd, Velma; Wellsville.
Lund, Katherine; Alma.
*Luppy, Bessie; Caney.
*Lytle, Homer; Emporia.
*McDowell, Frances; Elk City.
*McGill, Bessie; Emporia.
*McIntire, Ina; Neosho.
*McIntire, Nina; Neosho.
Madden, Ellen; Lebo.
Maness, Allen; Downs.
*Markley, Bessie; Belle Plaine.
*Marsh, Cora; Bushong.
Mason, Sarah; Emporia.
Mayes, Russell; Eskridge.
Mitchell, Ralph; Emporia.
Morrison, Eugenia Margaret; Canton.
Myers, Victor; Hamilton.
Nelson, Louise Matilda; Allen.
Parker, Irene May; Emporia.
Parker, Clarence; Arkansas City.
Parks, Mildred Josephine; Benton.
Partridge, Ellis Arthur; Burns.
Petty, Cecile Isolene; Linwood.
Phares, Earl Eugene; Burlington.
Ray, Ella Lee; Atlanta.
Ray, Orlye Machine; Atlanta.
Reed, Stanley; Burlington.
*Robison, Grace; Holton.
*Rogers, Mrs. C. W.; Emporia.
Ralston, Joe; Shelby.
Roth, Christine Mildred; Emporia.
Samuel, Edna Adele; Emporia.
Scales, William; Hutchinson.
*Scott, Rosalie; Council Grove.
*Seacat; Ona; Ashland.
Shaw, Clara Iola; Wamego.
*Shirkey, Kathryn; Madison.
*Shively, Roy Ottimer; Valley Falls.
*Shupe, Goldie Lucile; Lost Springs.
*Simpkins, Alice Daisy; Hugoton.
Smith, Archie Dee; Emporia.
Smith, William Kenny; Eskridge.
*Spence, Hazel Ina; Emporia.
*Stewart, Sarah; Council Grove.
Stout, Dale Caldwell; Emporia.
Stout, Curtis Trueman; Cottonwood Falls.
Telford, Lawrence St. Clari; Jct. City.
Townade, Roberta Eunice; Lyndon.
*Travis, Rena Alice; Garrison.
Turkle, Dwight; Emporia.
Ullman, Margaret Rose; Severy.
Van Gundy, Ethel; Neosho Rapids.
Vincent, Esther Wilma; Overbrook.
Warder, Rozetta Lenora; Abilene.
Watts, Myrtle; Burlington.
*Weeks, Blanche; Bushong.
*Wells, Arthur Bruce; Mahaska.
*Wells, Faye Saxon; Ford.
*Wells, Kipling May; Elmdale.
Wendland, Milton Ludwig; Winkler.
Whittington, Charles Harvey; Burlington.
*Wilkinson, Hattie; Haddam.
*Wright, Miles Ovaitt; Alta Vista.

HIGH SCHOOL JUNIORS.

Antle, Glen; Emporia.
Archer, Anna Elizabeth; Emporia.
Babcock, Pearl; Emporia.
Barley, Helen Ivor; Scranton.
Baldwin, Marvin Lee; Neal.
Barnard, Anstres; Minneapolis.
Becker, Ida Sarah; Emporia.
Benedict, Marion; Olpe.
Bonfield, Anna Josephine; Elmo.
Briggs, Barbara Lillian; Utica.
*Brim, Grace; Americus.
*Burns, LaVila; Simpson.
*Chaffin, Ina; Caldwell.
*Cost, Lucile; Hutchinson.
Cox, Clara; Emporia.
Cox, Virginia; Emporia.
*Davis, Florence; Clearwater.
*Davis, Hazel; Wellington.
*Davis, Hattie; Dunlap.
*Davis, Manda; Clearwater.
Day, Edith; Emporia.
*Demary, Mary; Wellington.
Dillon, Franklin; *Springfield, Colo.*
*Dungan, Lena; Wauneta.
Eastman, Blanche; Matfield Green.
Edwards, Marjory; Emporia.
Elliott, Ella; Eldorado.
Fox, Lena; Olpe.
*Fredenburg, Neosho Louise; Council Grove.
*Frey, Lena Anna; Vassar.
Frohberg, Edwin George; Waterville.
Fuller, Frank; Madison.
Garth Carl Howard; Emporia.
Godsey, Alice; Emporia.
Gregory, Stanley; *Lahoma, Okla.*
Hamlin, Roberta; Emporia.
Hilton, Helen Elizabeth; Emporia.
Holland, Wesley; Emporia.
*Horton, Louise; Spearville.
*Hudson, Mina; Ashland.
Hunt, Virgil; Galva.
*Jenkins, Ila Pearl; Louisburg.
*Jones, Ethel; Hartford.
*Kuykendall, Elsie; Osage.
Laird, Harold; Emporia.
Lewid, Bessie; Halstead.
*Lister, Ammie; *Wewoka, Okla.*
Lloyd, Wilma; Emporia.
*McCabe, Lelia; Burlington.
McCarter, Lela; Emporia.
McCue, Roy; Bucklin.
*Maiden, Mattie; Stafford.

HIGH SCHOOL JUNIORS—*continued.*

Maill, Betty; Elmo.
Manly, Harold; Diamond Springs.
*Manson, Selma Stark.
Meyer, Fred William; Rozell.
Mitchell, Opal; Severy.
Moore, Olive Marie; Emporia.
Morris, Alice Mary; Emporia.
Newman, Caroline A.; Virgil.
Nichols, Esther Marie; *Drexel, Mo.*
*Nott, Myrtle Clara; Council Grove.
Paxton, Susanna; Emporia.
Program, Elsie Ruth; Emporia.
*Putman, Nellie Amelia; Winfield.
Reynolds, Viola Emma; Emporia.
Richards, Eva; Centerville.
Ruggles, George; Edgar.
Runyan, Vivia May; Barclay.
Rush, Ruth; Eskridge.
Russell, Blanche; Sterling.
*Seacat, Jessie; Bucklin.
*Severns, Orel; Marysville.
*Shirkey, Floy Virginia; Madison.
*Simmerman, Ernest Booth; Emporia.
Spencer, Mabel Irene; Topeka.
Stephens, Jessie Ann; Emporia.
Stollar, Letha; Emporia.
Stollar, Paul Stewart; Emporia.
Stone, Lucy Marie; Emporia.
*Stone, Ruby Adean; Emporia.
Taylor, Ferne Shirley; Emporia.
Teichgraeber, Laura; Emporia.
Turner, Hervert Eugene; Harveyville.
Turner, Nold Andrew; Dunlap.
*Turner, Roy W.; Effingham.
Valver, Lois Maude; Allen.
*Volkman, Edna Elizabeth; Woodbine.
*Warner, Clara Minerva; Esbon.
Wellbron, Nola Modine; Emporia.
Wieland Cecilia; Elk City.
Williams, Orlesta; Emporia.
*Wright, Merle Addie; Lincolnville.
*Young, Violet; Eskridge.

HIGH SCHOOL SOPHOMORES.

Akin, Florence, Richmond.
*Bailey, Gladys; Urbane.
Barth, Anna; Council Grove.
*Betty, Willis; Emporia.
Bough, Lawton Vernon; Emporia.
*Brock, Myrtle; Wetmore.
*Burgess, Ametia; Eminence.
*Butts, Mimber; Council Grove.
Click, Eleanor; Geneseo.
Click, Oliver; Geneseo.
Conrad, Irene; Eskridge.
*Corbin, Scott; Emporia.
*Crist, Emily; Marquette.
Diggs, Eva Marie; Emporia.
Dobbs, Marjorie; Wellington.
*Dreyer, Flora; Dudley.
Edmondes, Edith; Lecompton.
Ellis, Olive Irene; Emporia.
Godsey, Grace; Emporia.
Goldsmith, Hazel; Bartlett.
Good, Linnie; Wilsey.
Gordon, Stanley; Emporia.
Gropp, Myrtle; Kendall.
Gumble, Pearl Edith; Madison.
*Hall, Anna Blanche; McPherson.
*Holm, Albert; Newton.
Holman, India; Reading.
Holroyd, Pauline; Cedarvale.
Irwin, Jennie; Emporia.
*Jennings, Ethel; Hundon.
Johnson, Vera; Wilsey.
Kauffman, Bessie; Navarre.
Keinath; Gail; Emporia.
Keinath, Mildred; Emporia.
*Kliever, Marie; Emporia.
*Knotts, Ethel; Yates Center.
*Lewis, Verda; Emporia.
*Lindsay, Dorothy; Emporia.
*McIlvain, Edwin; Emporia.
*McMurray, Hattie; Emporia.
*Meade, Edith; Drexel.
*Morrison, Ada; Canton.
Norquist, Lois William; Emporia.
*Osborne, Alberta Ellen.
*Peters, Marie Olivia; Parkerville.
*Plumb, Roxanna; Emporia.
Remsberg, Maude Louise; Iola.
*Rhodes, Mrs. Josie Maude; Emporia.
*Ridlow, Elizabeth Katherine; Emporia.
Rogers, Minnie Alice; Toronto.
Rose, Laura Mina; Emporia.
Shank, Frank Samuel; Emporia.
*Shaw, Agnes Ida; Wamego.
*Simmons, Esther Louise; Emporia.
Stephens, Don Suther; Emporia.
*Stone; Wilma Orrel; Bucklin.
Stout, Joseph William; Emporia.
*Tucker, Marion Isabel; Minneapolis.
Walker, Martha; Emporia.
Ward, Fae Ellen; Emporia.
Weesner, Dorothy Marvel; Emporia.
*Willsley, Alta Mae; Neodesha.

HIGH SCHOOL FRESHMEN.

Akins, Gladys Roberta; Halstead.
Alexander, Ruby; Eureka.
Alexander, Protia; Eureka.
Antle, Elzie; Exton.
*Blank, Pauline; Emporia.
Braucher, Margaret; Emporia.
Brick, Marie; Buffalo.
Brough, Lela; Saffordville.
*Brown, Arline; Emporia.
Chaffin, Charles Homer; Emporia.
Chapman, Jasper, Emporia.
Clemmer, Hattie Elenora; Hartford.
Coleman, Mrs. Maude; Emporia.
Elting, John Scott; Utica.
Elting, Mary; Utica.
Fuller, Orton; Chautauqua.
Geary, Mede; Emporia.
*Geis, Esther; Durham.
*Gies, Katherine; Durham.
*Goff, Nellie; Minneapolis.
Harvey, Winifred; Saffordville.
James, Inez; Emporia.
Jenkins, Mabel; Osage.
Johnson, Marjorie; Emporia.
*Keyes, Marjorie; Emporia.
*Long, Nellie; Reading.
Longshore, Joe William; Emporia.
Lorance, George; Emporia.
Lowe, Gladys; Council Grove.
Lumley, Bertha; Emporia.
McChain, John; Emporia.
Manion, Vida; Mt. Hope.
Manly, John Russell; Diamond Springs.
*Marvin, Carrie; Emporia.
*Moore, Jessie Roberta; Emporia.
Murphy, Ora Louise; Madison.
Noble, Carrie; Ozawkie.
Randle, Louise; Emporia.
Richter, Helen Ethel; Emporia.
*Severns, Celia; Marysville.
Shank, Chester Clyde; Emporia.
*Slade, Mina Mae; Frankfort.

HIGH SCHOOL FRESHMEN—*continued.*

*Smith, Myrtle Lucile; New Cambria.
*Snedekers, Mary Louetta; Emporia.
Stollar, Ina Willa; Emporia.
*Thompson, Morley Bain; Cottonwood Falls.
Torgeson, Lucille; Kelso.
*Vaughn, Veulah Ellen; Emporia.
Weaver, Gladys Minerva; Madison.

UNCLASSIFIED.

*Adams, Mary; Emporia.
*Alvord, Lesta Blossom; Emporia.
*Ball, Ella May; Iola.
*Berg, Carrie; Meriden.
*Billings, Bertha; Norcatur.
*Boyles, Bernce; Silver Lake.
*Bradbury, Pearl Lydia; Emporia.
*Bramwell, Besse; Concordia.
*Burns, Mollie Marie; Topeka.
Cartmel, Nettie; Emporia.
Coe, Clara; Yates Center.
Cool, Grace; Glasco.
*Cormick, Anna; Anthony.
*Cowan, Jessie Belle; Yates Center.
Cronk, Nellie; Eldorado.
*Culter, Mrs. Jessie; Emporia.
*Dahm, Anna; Great Bend.
*Davis, Elizabeth; Garden City.
*Fulmer, Mebel; Cherryvale.
*Gates, Blanche; Newton.
Gephart, Mrs. Rosa; Emporia.
Hanna, Jean; Clay Center.
*Hickert, Minnie Minerva; Tescott.
*Hewett, Dora; Dodge City.
*Hinkle, Gladys; Powhattan.
*Hull, Olivia; Seneca.
*James, Mrs. Belle Robison; Emporia.
*Jennings, Jennie; Herndon.
*Lyness, Pearl; Wellington.
McChesney, Harlin D; Emporia.
McCullough, Helen Frances; Emporia.
Mallary, Nellie; Downs.
*Mattics, Elizabeth; Arlington.
*Miller, Marie Laberta; Ingalls.
*Miller, Mrs. Mildred; Emporia.
*Moore, Irma Leah; Holton.
*Neel, Myrtle Lettie; Wellington.
*Olson, Josephine; Clyde.
*Orr, Eva; Emporia.
Paxton, Lucy Stokes; Emporia.
Paxton, Mrs. Tacey V.; Emporia.
*Pettle, Ina May; Gypsum.
*Poindexter, Luella Gamble; Abilene.
*Pollard, Florence Bertha; Bucklin.
*Reeder, Cora Esther; Ottawa.
Rhoades, Ethie; Gardner.
Ross, Katheryn Mae; Mayfield.
Scott, James Lee; *Carrolton, Mo.*
*Smith, Ray Nicholas; *Menominee, Mich.*
*Snyder, Mogene Anna; Oskaloosa.
*Sonntan, Mithilde Henrietta; Fowler.
Sower, Granton Elbert; Elmo.
*Spearman, Glenn Edmund; Reading.
Sprague, Elizabeth Jane; Emporia.
*Stanton, Elizabeth; Emporia.
*Steele, Ethel D.; *Tulsa, Okla.*
Swarts, Clara May; Emporia.
Thomson, Shirley; Emporia.
*Townsend, Constance Vivian; Tarrant.
*Turney, Frances; Wichita.
Vestal, Dorothy; Emporia.
Wade, Grace; Emporia.
Wall, Gertrude; Jamestown.
*Warnock, Edna Elzabeth; Mayfield.
*White, Mary Ellen; Minneapolis.
*Wilks, Cora; Gypsum.
Willey, George; Belle Plaine.
*Wise, Verna Bell; Louisburg.

MUSIC.

Allen, Iva Lucile; Emporia.
Alvord, Ilda; Emporia.
Anderson, Beatrice; Americus.
Andrews, Ruth; Emporia.
Armour, Gordon; Emporia.
Armstrong, Evelyn; Emporia.
Austin, Whiltey; Emporia.
*Bangs, Augusta; Emporia.
Barnes, Lorene; Emporia.
Bangs, Lois; Emporia.
Barthel, Daniel; Emporia.
Berg, Herman; Emporia.
Blim, Miles; Emporia.
Brigham, Nira; Council Grove.
Brighma, Rosalie; Emporia.
Brunap, Harry; Emporia.
Burnap, Mary; Emporia.
Carothers, Marjorie; Emporia.
Clark, Bertha; Emporia.
Clark, Marjorie; Emporia.
Clogston, Dorothy; Emporia.
Collins, Clifford; Emporia.
Cooley, Hope; Emporia.
Crackel, Zella; Emporia.
Creighton, Lillian; Emporia.
Daniels, Willa; Emporia.
*Dietrich, Louise; Plymouth.
*Drumm, Helen; Emporia.
*Dumbauld, Cypha; Emporia.
Durfey, Joseph; Emporia.
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*Evans, Lottie; Emporia.
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Fife, Marinita; *Checotah, Okla.*
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Ganse, Catherine; Emporia.
Gephart, Aubrey; Emporia.
Gephart, Dewitt; Emporia.
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Gilson, Terressa; Emporia.
Gist, Una; Emporia.
Grier, Mary; Emporia.
Guffler, Winifred; Emporia.
Gwinner, Isabel; Emporia.
Hamer, Helen; Emporia.
*Hargiss, Genevive; Emporia.
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Hedrick, Imogene; Emporia.
Hellman, Mary; Emporia.
Hill, Arids; Emporia.
Hoatson, Vera Marion; Emporia.
Houghton, W. W.; Emporia.
Howell, Elizabeth; Emporia.
Howell, John; Emporia.
*Huggins, Margaret; Emporia.
Huggins, Mary; Emporia.
Humphrey, Hattie; Emporia.
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Jacob, Edna; Reading.
Jensen, Emma; Emporia.
Kell, John; Emporia.
Keller, Margaret; Emporia.
Kretsinger, Violet; Emporia.
Kroger, Beulah; Emporia.
Lakin, Fred; Emporia.
Lawrence, Louise; Emporia.

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Leatherberry, Margaret; Emporia.
Lind, Mariea; Emporia.
Link, Eugene; Emporia.
Link, Lida Belle; Emporia.
Lockard, Helen; Emporia.
Lord, Emily; Emporia.
Lull, Harriett; Emporia.
McCaw, Lorena; Emporia.
McClure, Louise; Emporia.
McGee, Lillard; Centerville.
Marnont, Irene; Emporia.
Marvin, Eva; Emporia.
Mayberry, Margaret; Emporia.
Mitchell, Christine; Emporia.
Mitchell, Margaret; Emporia.
Mulhollen, Harold; Emporia.
Neighbors, Beatty; Emporia.
Neighbors, Martha; Emporia.
Neill, Ramona; Emporia.
Neill, Sylva; Emporia.
Newman, Eleanor; Emporia.
Patty, Mary; Emporia.
Peach, Elizabeth; Emporia.
*Pemstock, Ruby Mary; Emporia.
Peterson, Adelle; Emporia.
Phœnix, Nili; Emporia.
Piper, Mini; Emporia.
*Pollock, Esther; Emporia.
Price, Lloyd; Emporia.
Rich, Gladys; Emporia.
Rickabaugh, Mary C.; Emporia.
Riley, Robert Milton; Emporia.
Root, Millison; Emporia.
Ropfogel, Louie; Emporia.
Ruggles, Frances; Emporia.
Sagaser, Josephine; Emporia.
Sallee, Dorothy; Emporia.
Sallee, Charlotte; Emporia.
Scannell, Harold; Emporia.
*Severance, Ella Marguerite; Beloit.
Sexton, Lillian L.; Abilene.
Short, Victor; Emporia.
Shultz, Hazel; Emporia.
*Skinner, Gladys Irene; Osage City.
Slaght, Helen; Emporia.
Smith, Dorothea; Emporia.
Smith, Maida; Emporia.
Somers, Avis; Emporia.
Somers, LaVerne; Emporia.
Sowerby, Kathleen; Emporia.
Sprague, Virginia; Emporia.
Starkey; Louise; Emporia.
Starr, Joseph; Emporia.
Starr, Rosalie; Emporia.
Steward, Mable; Emporia.
Thompson, Riley; Emporia.
Thomson, Jay; Emporia.
Tuhey, Dorothie Nellie; Emporia.
*Urguhart, Elizabeth; Emporia.
Waller, Juanita; Emporia.
Wayman, Mrs. Lee; Emporia.
Weaver, Mable Anna; Emporia.
Williams, Rachel; Emporia.
Wilson, Jack; Emporia.
Wittman, Charlie; Emporia.

JUNIOR HIGH SCHOOL AND ELEMENTARY TRAINING SCHOOL.

244 Students.

SUMMARY OF ATTENDANCE.

	Women.	*Men.*	*Total.*	
Graduates	34	3	37	
College Seniors	112	54	166	
College Juniors	165	25	190	
College Sophomores	399	32	431	
College Freshmen	1,253	117	1,370	
	1,963	231	2,194	
High School Seniors	107	44	151	
High School Juniors	74	21	95	
High School Sophomores	41	10	51	
High School Freshmen	39	10	49	
	261	85	346	
				2,540
Unclassified	62	6	68	
Music (taking music only)	135	23	158	
Junior High School and Elementary Training School	120	124	244	
			470	
				3,010
Correspondence			436	
Extension			65	
			501	
				3,511

KANSAS COUNTIES REPRESENTED.

The following-named counties—96 in all—were represented during the past year. As younger children make up the classes in the primary, intermediate and upper grades of the Elementary School and the Junior and Senior High School, the pupils listed there are largely from Emporia or from the immediate vicinity. Many students who are enrolled as from Emporia or Lyon county belong to families who are residing here temporarily for the purpose of educating their children.

Allen	42	Geary	6	Montgomery	35
Anderson	28	Graham	2	Morris	66
Atchison	26	Grant	3	Nemaha	22
Barber	7	Gray	16	Neosho	16
Barton	11	Greeley	2	Ness	7
Bourbon	10	Greenwood	70	Norton	8
Brown	24	Hamilton	3	Osage	77
Butler	40	Harper	25	Osborne	20
Chase	37	Harvey	33	Ottawa	13
Chautauqua	17	Hodgeman	3	Pawnee	5
Cherokee	8	Jackson	36	Phillips	14
Clark	8	Jefferson	47	Pottawatomie	18
Clay	31	Jewell	13	Pratt	11
Cloud	13	Johnson	30	Rawlins	3
Coffey	44	Kearny	5	Reno	35
Comanche	1	Kingman	13	Republic	13
Cowley	42	Kiowa	14	Rice	26
Crawford	2	Labette	16	Riley	7
Decatur	2	Lane	4	Rooks	1
Dickinson	53	Leavenworth	31	Rush	5
Doniphan	14	Lincoln	10	Russell	5
Douglas	36	Linn	17	Saline	26
Edwards	18	Lyon	632	Scott	2
Elk	21	McPherson	49	Sedgwick	60
Ellis	1	Marion	56	Seward	6
Ellsworth	5	Marshall	35	Shawnee	68
Finney	22	Meade	10	Smith	10
Ford	25	Miami	31	Stafford	21
Franklin	54	Mitchell	19	Stanton	2

KANSAS COUNTIES REPRESENTED—*continued.*

Stevens	2	Trego	2	Wilson	47
Sumner	42	Wabaunsee	52	Woodson	39
Thomas	1	Washington	25	Wyandotte	24

NON-RESIDENTS OF KANSAS.

Arkansas	4	Missouri	10	Oklahoma	27
Colorado	4	Mississippi	1	South Dakota	1
Illinois	2	Michigan	1	Texas	3
Kentucky	1	Nebraska	1		

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Vol. IX New Series No. 3

KANSAS
STATE NORMAL SCHOOL
EMPORIA

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APR 6 1921

GENERAL CATALOGUE

1919-1920

With
Announcements for 1920-1921

PRINTED BY
KANSAS STATE PRINTING PLANT
IMRI ZUMWALT, STATE PRINTER
TOPEKA. 1920
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Courses in Agriculture, Bacteriology, Biology, Botany, Chemistry, Commerce, Drawing, Economics, English, Geography, Geology, German, Government, Histology, History, Home Economics, Hygiene, Kindergarten, Latin, Manual Training, Mathematics, Methods, Music, Observation, Physical Training, Physics, Physiology, Practice Teaching, and Public Speaking suited to the needs of elementary and advanced students will be given in the Summer Term. Ask for special catalogue. Address

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EMPORIA, KANSAS.

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VOLUME IX. NEW SERIES. No. 3.

KANSAS STATE NORMAL SCHOOL

EMPORIA

GENERAL CATALOGUE

1919 - 1920

WITH ANNOUNCEMENTS
FOR 1920-1921

KANSAS STATE PRINTING PLANT
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Calendar for 1920.

JANUARY.

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Calendar for 1921.

JANUARY.

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26	27	28	29	30	..	..
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JULY.

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AUGUST.

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SEPTEMBER.

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OCTOBER.

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NOVEMBER.

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27	28	29	30	..	..	..
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DECEMBER.

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11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
..	..	..	..	..	..	..

Calendar—School Year, 1920-1921.

The school year opens with the Summer Term and consists of a Summer Term of eight weeks and two semesters of eighteen weeks each.

1920.

May 26, Wednesday, 9:30 a. m.—Commencement exercises.

May 25-28, Tuesday to Friday.—Semester final examinations.

May 26-28, Wednesday to Friday.—College entrance examinations.

May 28, 29, Friday and Saturday.—Registration of students in residence for the Summer Term.

May 31, Monday.—*Penalty of $1 on students in residence for late registration.*

June 1, Tuesday.—Opening of Summer Term.

June 2, Wednesday.—*Penalty of $1 on new or former students for late registration.*

July 30, Friday.—Term final examinations.

July 30, Friday, 12 m.—Close of Summer Term.

July 30, Friday, to September 7, Tuesday.—Summer vacation.

September 2-4, Thursday to Saturday.—College entrance examinations.

September 6, Monday.—Registration of students for the First (September to January) Semester.

September 7, Tuesday, 8 a. m.—Opening of First (September to January) Semester.

September 8, Wednesday.—*Penalty of $1 for late registration.*

October 23, 24, Friday and Saturday.—County teachers' examination.

November 25, 26, Thursday and Friday.—Thanksgiving vacation.

December 17, Friday, 6 p. m.—Beginning of Christmas vacation.

1921.

January 3, Monday, 8 a. m.—Close of Christmas vacation.

January 18-21, Tuesday to Friday.—Semester final examinations.

January 21, Friday.—Close of First (September to January) Semester.

January 21, 22, Friday and Saturday.—Registration of students for the Second (January to May) Semester.

January 24, Monday, 8 a. m.—Opening of Second (January to May) Semester.

January 25, Tuesday.—*Fee of $1 for late registration.*

January 28, 29, Friday and Saturday.—County teachers' examination.

February 15, Tuesday.—Founders' Day.

March 11, Friday.—High-school play.

March 28, Monday.—Organization of midsemester classes.

May 5, Thursday, 8 p. m.—Annual Phi Delta Delta address.

May 6, Friday, 8 p. m.—President's reception.

May 13, Friday.—Elementary Training-school operetta.

May 22, Sunday, 11 a. m.—Baccalaureate address.
4 p. m.—Vesper service, Y. M. C. A. and Y. W. C. A.

May 24, Tuesday, 3 p. m.—Alumni business meeting.

May 25, Wednesday, 9:30 a. m.—Commencement exercises.
12 m.—Commencement dinner.

May 24-27, Tuesday to Friday.—Semester final examinations.

May 26-28, Wednesday to Friday.—College entrance examinations.

May 27, Friday.—Close of Second (January to May) Semester.

May 28, Saturday.—Registration of students in residence for the Summer Term.

May 30, 31, Monday and Tuesday.—Registration of new students and former students for the Summer Term.

June 1, Wednesday.—Opening of Summer Term.

Officers of Instruction and Administration.

Faculty.

THOMAS WALTER BUTCHER, *President.*
A. B., University of Kansas; A. M., Harvard University; University of Berlin.

FRANK U. G. AGRELIUS, *Associate Professor of Botany, and Supervisor of Botany in the Senior Training Division of the Roosevelt High School*
A. B., A. M., University of Kansas.

JANE K. ATWOOD, *Acting Head, Department of Geography, and Supervising Teacher of Geography, Roosevelt High School.*
Ed. B., M. S., University of Chicago.

EDWIN R. BARRETT, *Professor of English, and General Supervisor of English in the Junior and Roosevelt High School.*
A. B., Park College; A. M., University of Kansas; University of Chicago.

FRANK A. BEACH, *Director of Department of Music, and Professor of Public-school Music.*
B. L., University of Michigan; Syracuse University School of Music; Juliani School of Opera, Paris.

ELIZABETH BEYE, *Professor of Home Economics, and General Supervisor of Home Economics in the Elementary Training School, and Junior and Roosevelt High School.*
B. S., Lewis Institute; University if Wisconsin.

WILLIAM SHELTON BIXLER, *Registrar.*
B. S., Lincoln College; Ph. M., University of Chicago; Indiana University; University of Pennsylvania.

HERBERT HILL BRAUCHER, *Professor of Manual Training, and Supervising Teacher of Manual Training in the Roosevelt High School.*
B. S., University of Illinois; Stout Institute.

WILLIS H. CAROTHERS,[1] *Professor of Educational Administration.*
A. B., A. M., University of Kansas; University of Chicago; Teachers College.

HORACE M. CULTER, *Professor of Rural-school Administration.*
A. B. in Education, Kansas State Normal School.

JAMES CLARENCE DE VOSS,[1] *Associate Professor of Psychology, and Director of the Bureau of Educational Measurements and Standards.*
A. B., A. M., University of Colorado.

EXPLANATION OF REFERENCE MARKS.

1. Returned in June from leave of absence.
2. To return, June 1, 1920.
3. Began January 5, 1920.
4. Returned October 1, 1919, from leave of absence.
5. Began September, 1919.
6. Began January 26, 1920.
7. Began October 1, 1919.
8. Returned in September from leave of absence.
9. Began September, 1919; resigned February 29, 1920.
10. Began in June, 1919.
11. Summer session, 1919; returned February 1, 1920.
12. Began March 1, 1920.
13. Absent summer session, 1919.
14. Began February 16, 1920.
15. Absent part of summer, 1919.
16. Resigned January 26, 1920.
17. Began September, 1919; resigned January 23, 1920.
18. Returned June 14, 1919.
19. Absent on leave, January 1, 1920.
20. Began May 10, 1920.

JOHN PAYSON DRAKE, *Professor of Physics.*

A. B., A. M., Wesleyan University (Conn.); University of Chicago; University of Wisconsin.

LILLIAN DUDLEY, *Professor of Modern Languages.*

B. S. in Education, Kansas State Normal School; A. M., University of Chicago; University of Berlin.

GEORGE W. ELLIS, *Associate Professor of Mathematics.*

A. B., A. M., Hamilton College; University of Chicago.

FRANKLIN L. GILSON,[15] *Professor of Public Speaking and Expression, and Supervisor of Public Speaking in Roosevelt High School.*

Ph. B., Upper Iowa University; Cumnock School of Oratory; University of Chicago; Curry School of Expression.

EMMA L. GRIDLEY,[15] *Professor of Drawing.*

A. B. in Education, Kansas State Normal School; Massachusetts Normal Art School; University of Chicago; Dow's Summer Art School; New York University.

HOMER WOODSON HARGISS,[2] *Coach of Men's Athletics, and Head of Department of Men's Physical Training.*

Kansas State Normal School; College of Emporia; Harvard School of Physical Education.

ACHSAH MAE HARRIS,[15] *Professor of Primary Education, and Head Supervising Teacher of the Primary Grades.*

A. B. in Education, Kansas State Normal School; A. B., University of Michigan; University of Michigan; University of Chicago; Chicago School of Music; Columbia University.

W. L. HOLTZ, *Professor of Latin, and Supervising Teacher of Latin in the Roosevelt High School.*

A. B., Baker University; University of Chicago.

MRS. MARY NICHOLL KERR (MRS. WILLIS H.), *Dean of Women.*[3]

A. B., A. M., Bellevue College; University of Edinburgh.

WILLIS H. KERR, *Librarian.*[4]

A. B., Bellevue College; A. M., Columbia University; University of Edinburgh.

THEODORE LINDQUIST, *Professor of Mathematics and General Supervisor of Mathematics in Junior and Roosevelt High School.*

A. B., Lombard College; M. S., Northwestern University; Ph. D., University of Chicago.

HERBERT G. LULL, *Director of Teacher Training.*

A. B., University of Michigan; A. M., University of Washington; Ph. D., University of California.

H. D. MCCHESNEY, *Acting Head of Department of Men's Physical Training and Supervisor of Physical Training in the Elementary Training School, Junior and Roosevelt High School.*

University of Wisconsin; American College of Physical Training.

GEORGE W. MCLAREN,[5] *Coach of Men's Athletics.*

D. D. S., University of Pittsburgh.

JAMES W. MAYBERRY, *Professor of Chemistry.*

A. B., A. M., University of Kansas.

ANNABEL NEWTON,[13] *Associate Professor of English.*

B. L., A. M., Ohio Wesleyan University; A. B., A. M., University of Michigan; University of Chicago; Oxford University.

LUCILE OWEN, *Bursar.*

A. B. in Education, Kansas State Normal School; University of Chicago.

L. A. PARKE, *Professor of Commerce, and Supervising Teacher of Commerce in the Roosevelt High School.*
LL. B., University of Kansas.

CHARLES R. PHIPPS, *Professor of Agriculture.*
Eastern Illinois State Normal School; B. S., University of Illinois.

W. D. ROSS,[6] *Head of Department of Public-school Service*
A. B., A. M., University of Kansas; Columbia University.

CARL W. SALSER, *Secretary of the Alumni Association, and Director of the Extension Division*
A. B. in Education, Kansas State Normal School.

NORMAN TRIPLETT, *Professor of Psychology and Philosophy.*
A. B., Illinois College; A. M., Indiana University; Ph. D., Clark University.

DOROTHY VESTAL, *Acting Head, Department of Women's Physical Training, and Supervisor of Physical Training in the Elementary School and the Roosevelt High School.*
Graduate, Sargent School of Physical Education.

FRANK W. WHITE, *Professor of Physiology and Hygiene.*
M. D., Tufts College; Harvard School of Physical Education.

PELAGIUS WILLIAMS, *Professor of European History.*
A. B., College of Emporia; A. M., University of Chicago; Columbia University.

LYMAN C. WOOSTER, *Professor of Biology and Geology.*
Wisconsin Normal School (Whitewater); Beloit College; Ph. D., Milton College; Yale University; University of Chicago.

Instructors.

BEULAH ALTMAN,[7] *Instructor in Modern Languages, and Supervising Teacher of French in the Roosevelt High School.*
A. B., College of Emporia; A. M., University of Chicago; University of Berlin; Private School in Paris.

VIDA L. ASKEW, *Instructor in English, and Supervising Teacher of English in the Roosevelt High School.*
A. B., A. M., Oberlin College.

ADA MARIE BAUM,[13] *Instructor in Piano.*
Studied with Allen Spencer, American Conservatory; Thomas Whitney Surette Summer School, Concord, Mass.

FLORENCE G. BILLING,[8] *Supervising Teacher of Elementary and General Science in the Junior Division of the Roosevelt High School.*
B. S., University of Chicago; M. A., Teachers College; Marine Biological Laboratory, Woods Hole, Mass.

ANNE BINGHAM,[15] *Head Supervising Teacher of the Kindergarten.*
Kansas State Normal School; Columbia University.

H. E. BIRDSONG,[13] *Instructor in English.*
A. B., Bachelor Journalism, University of Missouri; University of Chicago.

ROSALIE BRIGHAM, *Instructor in Piano.*
Studied with Rudolph Reuter, Chicago; Studied with Madame Perry, Chicago.

GERTRUDE BROWN,[5] *Supervising Teacher of English in Intermediate Grades.*
Ottawa University; University of Colorado; University of Kansas; University of Chicago.

JOHN A. CLARKE,[9] *Instructor in Agriculture, and Supervising Teacher of Agriculture in the Roosevelt High School.*

B. S., Kansas State Agricultural College.

ETHEL CROSS,[6] *Supervising Teacher of History and Civics in Intermediate Grades.*

Kansas State Normal School.

GRACE DEXTER,[13] *Instructor in Home Economics*

A. B., University of Illinois.

DANNETTA M. ECKDALL (MRS. J. E.), *Instructor in Drawing.*

School of Design, Pittsburgh, Pa.; Art Students' League; William Chase School of Art, New York; Chautauqua Arts and Crafts Summer School; Atkinson Mentzer Summer School, Chicago; Academy of Fine Arts, Chicago.

GERTRUDE GAMBLE,[13] *Instructor in Public-school Music, and Supervising Teacher of Music in the Senior Division of the Roosevelt High School.*

Ohio Wesleyan University; Columbia School of Music; National Summer School; Thomas Normal Training School.

MARIE GAPEN,[5] *Supervising Teacher of English in the Junior Division of the Roosevelt High School.*

A. B., University of Wisconsin; University of Chicago.

ANNE GEORGE,[14] *Instructor in Home Economics.*

College of Industrial Arts; B. A., Columbia University.

MARY GEORGE,[15] *Assistant Supervising Teacher of the Primary Grades.*

Kansas State Normal School; Teachers College.

NELLE GRANT,[13] *Assistant Supervising Teacher of the Primary Grades.*

Kansas State Normal School; Teachers College.

EVALINE HARTLEY,[16] *Instructor in Voice.*

Studied with Edward Oxenford, Ashford, England; E. Geneve Lichtenwalter, Kansas City, Mo.; Lucy P. Wiggin; Jennie Schultz; Frederick E. Bristol, New York City.

GLADYS HAWKINS, *Instructor in Piano.*

State Normal School, Potsdam, N. Y.; Leschetsky Master School, Vienna.

MARY ELLEN ICKE,[5] *Supervising Teacher of Arithmetic in the Intermediate Grades.*

Kansas State Normal School; Ph. B., University of Chicago.

MABEL H. JOHNSON,[5] *Assistant Supervising Teacher of the Primary Grades.*

Kansas State Normal School; University of Colorado.

GEORGE KEENAN, *Instructor in Violin and Supervising Teacher of Orchestral Music in the Roosevelt High School.*

Graduate, Brussels Conservatory.

WILLIAM HEBER KELLER, *Instructor in Mathematics, and Supervising Teacher of Mathematics in the Roosevelt High School.*

A. B. in Education, Kansas State Normal School; University of Chicago.

LORNA LAVERY, *Instructor in Department of Modern Languages and Supervising Teacher of French and Spanish in the Roosevelt High School.*

A. B., University of Chicago; University of California.

IRMA LEWIS, *Instructor in Voice*[3]

Bethany College, Lindsborg, Kan.; Studied with George Wrightsen, Washington, D. C.; Studied with Robert Stultz, Chicago.

EDNA MCCULLOUGH, *Instructor in Department of Women's Physical Training, and Supervising Teacher of Physical Training in the Elementary School and Roosevelt High School.*

B. S. in Education, Kansas State Normal School; graduate, Sargent School of Physical Education.

ANNA R. MANLEY,[5] *Instructor in English and Supervising Teacher of English in the Senior Division of the Roosevelt High School.*

A. B., University of Kansas; University of Chicago; University of Michigan.

RUBY MINOR,[17] *Supervising Teacher of English in Intermediate Grades.*

Franklin College, Indiana; Indiana University; University of Chicago; Columbia University.

MAUDE MINROW, *Principal of the Senior Division of the Roosevelt High School, and Supervising Teacher of History in the Senior Division of the Roosevelt High School.*

A. B. in Education, Kansas State Normal School; A. M., Columbia University; University of Chicago.

INEZ MORRIS,[10] *Principal of the Junior Division of the Roosevelt High School, and Supervising Teacher of Mathematics in the Junior High School.*

A. B., University of Kansas; University of Chicago.

KATHERINE MORRISON,[15] *Supervising Teacher of Industrial Arts and Drawing in the Intermediate Grades and the Roosevelt High School.*

B. S. in Education, Kansas State Normal School; Bradley Polytechnic, Peoria, Ill.; Columbia University; diploma, School of Fine and Applied Arts, New York City.

CHARLOTTE NORTHRUP,[5] *Instructor in Department of Women's Physical Training, and Supervising Teacher of Physical Training in the Elementary School and Roosevelt High School.*

State Model School, Trenton, N. J.; graduate, Sargent School of Physical Education; Summer School, University of Pennsylvania.

CHARLOTTE OLIN,[5] *Supervising Teacher of History and Civics in the Junior Division of the Roosevelt High School.*

Ph. B., University of Akron, Akron, Ohio; A. M., E. M., Columbia University.

RALPH PAGE,[10] *Instructor in Voice.*

Strassburger Conservatory, St. Louis; Kansas City Conservatory of Music.

WINIFRED PARSONS,[10] *Instructor in Department of Public Speaking and Expression.*

Graduate, Northwestern School of Oratory; Denison University; A. B., University of Michigan.

ARDENE PHIFER,[11] *Instructor in Piano.*

Kansas City Conservatory of Music; Kansas State Agricultural College; graduate, Cincinnati Conservatory of Music.

HARRIET PRUTSMAN, *Instructor in Piano.*

A. B., Smith College; studied with H. D. Sleeper; studied with Clarence Nixon; studied with Rudolph Ganz.

OLIVE REES,[6] *Instructor in Art Department.*

Kansas State Normal School; Prang Industrial Art School, Chicago.

TERESA RYAN,[5] *Instructor in English, and Supervisor of Latin in the Junior Division of the Roosevelt High School.*

A. B., University of Wisconsin; A. M., Columbia University.

EARL L. SHOUP,[5] *Instructor in American History.*

A. B., Washburn College; Yale University; University of Chicago.

M. L. SMITH, *Instructor in Rural-school Administration, and Director of Visual Instruction*

Pd. B., Kansas Wesleyan University; Kansas State Normal School; Columbia University.

F. JAY SOUTH,[5] *Instructor in Printing and Supervisor of Printing in the Roosevelt High School.*

B. S. in Education, Kansas State Normal School.

VIOLA SPENCER,[5] *Instructor in Commerce.*

Ph. B., Hamline University; University of Chicago.

HAZEL K. STIEBELING,[5] *Instructor in Home Economics, and Supervising Teacher of Home Economics in the Roosevelt High School.*

Skidmore School of Arts; B. S., Columbia University.

E. ANNA STONE, *Instructor in Piano.*

Graduate, College of Music, Cincinnati; pupil of Clara Louise Dunning, New York City; pupil of Mrs. Crosby-Adams, Chicago; pupil of Effie Ellis Perfield, Chicago.

CATHERINE E. STROUSE, *Instructor in Public-school Music, and Supervising Teacher of Music in the Kindergarten, Primary Grades, Intermediate Grades, and the Junior Division of the Roosevelt High School.*

Minnesota State Normal School, Winona; Thomas Training School, Detroit; National Summer School, Chicago.

RUTH TAYLOR, *Assistant Supervising Teacher of the Kindergarten.*

Kansas State Normal School; Kansas State Agricultural College; Kansas Wesleyan; Columbia University.

ANNA VAN BUSKIRK,[3] *Instructor in English.*

Western State Normal School, Kalamazoo, Mich.; A. B., A. M., University of Michigan.

W. A. VAN VORIS, *Instructor in Science, and Supervising Teacher of Science in the Roosevelt High School.*

A. B. in Education, Kansas State Normal School; University of Chicago.

JENNIE WILLIAMS,[1] *Head of Intermediate Grades, and Supervising Teacher of Geography.*

A. B. in Education, Kansas State Normal School; University of Chicago; Columbia University.

DAVID WOOSTER,[12] *Instructor in Agriculture, and Supervising Teacher of Agriculture in the Roosevelt High School.*

B. S. in Education, Kansas State Normal School; D. V. M., Kansas State Agricultural College.

Administration.

THOMAS WALTER BUTCHER, *President.*

WILLIAM SHELTON BIXLER, *Registrar.*

MARY NICHOLL KERR (MRS. W. H.), *Dean of Women.*

WILLIS H. KERR, *Librarian.*

HERBERT G. LULL, *Director of Teacher Training.*

LUCILE OWEN, *Bursar.*

CARL W. SALSER, *Secretary of Alumni Association, and Director of the Extension Division.*

NORMAN TRIPLETT, *Acting Dean.*

Office and Library Assistants.

DOROTHY ABRAMS, *Library Secretary.*
A. B. in Education, Kansas State Normal School.

MARY E. EDWARDS, *Secretary to Appointment Bureau.*

CARL E. DENT,[18] *Secretary of Correspondence-study Department.*
Kansas State Normal School.

ELLSWORTH DENT, *Secretary to Director of Bureau of Educational Measurements and Standards.*
Kansas State Normal School.

HARRIET ELCOCK, *Library Assistant.*
Kansas State Normal School.

BERYL FISHER, *Secretary to the Director of Teacher Training.*
Kansas State Normal School.

FRANCES LEE FRIEND,[12] *Secretary to the Bursar.*
Kansas State Normal School.

KATHERINE FULLER, *Secretary to the Director of Department of Music.*
Kansas State Normal School.

BEATRICE HOOVER,[15] *Secretary to the President.*
Kansas State Normal School.

FAYE HUFFMAN, *Library Assistant.*
Kansas State Normal School.

GRACE IRWIN, *Secretary Young Women's Christian Association.*
A. B., Baker University; University of Kansas; University of Chicago.

AGNES KING, *Library Assistant.*
A. B., Buena Vista College; A. M., University of Iowa.

MARY P. KIRTLAN, *Nurse.*
Graduate, Arapahoe County Training School for Nurses, Denver; Kansas State Normal School.

CORA PARKER,[19] *Library Assistant.*
A. B. in Education, Kansas State Normal School.

JOSEPHINE PELZELL, *Record Clerk.*

MAUDE E. SHORE, *Library Assistant.*
B. S. in Education, Kansas State Normal School.

JOSEPHINE WEATHERLY, *Assistant in Extension Division.*
B. S. in Education, Kansas State Normal School.

FRIEDA K. WILLIAMS,[20] *Library Cataloguer.*
A. B., University of Indiana; University of Michigan; University of Illinois.

Additions to Faculty for Summer School, 1919.

WILMA BALYEAT, *Instructor in Art.*
University of Chicago; Academy of Fine Arts, Chicago.

ELSIE LEITCH BOWMAN, *Instructor in Art.*
Graduate, Art Institute of Chicago.

ALICE V. BRADLEY, *Instructor in Home Economics.*
B. S., University of Wisconsin.

MINNIE BRASHEAR, *Instructor in English.*
A. B., University of Missouri, M. S. D., Normal School, Kirksville, Mo.

QUINTA CATES, *Instructor in Home Economics.*
B. S., Kansas State Agricultural College.

NELL E. CHAFFEE, *Instructor in English, Training School.*
A. B., Baker University; University of Chicago.

A. T. CHAPIN, *Instructor in Latin*
A. B., Denison University; University of Pennsylvania.

AILSA CRAIG, *Instructor in Women's Physical Training.*
Kansas State Normal School; Sargent School of Physical Education.

IRENE E. DENNEEN, *Instructor in Rural-school Education.*
Graduate, Superior State Normal School, Wisconsin; Ph. B., University of Wisconsin.

HELEN E. ELCOCK, *Instructor in English.*
A. B., College of Emporia; University of Chicago.

MAUDE A. GOODWIN, *Instructor in Art.*
Graduate, State Normal School, Kearney, Neb.; Art Institute of Chicago.

NORA HALL, *Instructor in Art.*
B. S. in Education, Kansas State Normal School.

FLORENCE HARRISON, *Instructor in Art.*
New Paltz Normal School, New York; Teachers College; University of California.

W. A. HUDSON, *Instructor in Physiology and Hygiene.*
B. S., Washington University; Washington University Medical School.

ROSE W. HUMPHREY, *Instructor in Art.*
Illinois Normal University, Normal, Ill.; Pratt Institute, Brooklyn, N. Y.; Chicago Academy of Fine Arts; Art Institute of Chicago.

EMMA HYDE, *Instructor in Mathematics.*
A. B., University of Kansas; A. M., University of Chicago.

FLORENCE E. JANSEN, *Instructor in American History.*
A. M., Ph. B., University of Chicago.

RUTH KIRKPATRICK, *Instructor in Public Speaking.*
University of Minnesota; graduate, Cumnock School of Oratory.

ELIZABETH JOHNSON, *Instructor, Training School.*
B. S. in Education, Kansas State Normal School; University of Chicago.

LURA LEWIS, *Instructor in English*
B. S., Culver-Stockton College; Kirksville State Teachers College; B. S., A. M., University of Missouri.

LORA LOCK, *Instructor in Women's Physical Training.*
B. S. in Education, Kansas State Normal School; Harvard University Summer School.

MYRTA ETHEL MCGINNIS, *Instructor in English.*
Kansas State Normal School; A. B., A. M., University of Missouri.

R. H. MCWILLIAMS, *Instructor in History.*
A. B., Baker University; A. M., University of Chicago.

B. F. MARTIN, *Instructor in Rural-school Education.*
Kansas State Normal School; Colorado State Teachers College.

H. S. MILLER, *Instructor in Commerce.*
M. C. S., Ohio Northern University: M. Acct., Southwestern Business College.

BERTHA MINER, *Instructor in Piano.*
Kansas State Normal School; Kansas City Conservatory of Music; pupil of M. Boguslawski.

LENA P. MONROE, *Instructor in English.*
B. S. in Education, Kansas State Normal School.

JESSIE A. MUIR, *Instructor in Art.*
Art Institute of Chicago; Prang School; Industrial Art School; De Pauw University.

MAUDE MUIR, *Instructor in Training School.*
Kansas State Normal School.

E. C. POCOCK, *Instructor in Commerce.*
B. S. in Education, Kansas State Normal School; Valparaiso University.

EVA RECTOR, *Instructor in Art.*
B. S. in Education, Kansas State Normal School; Chicago Industrial Art School.

C. C. REGIER, *Instructor in American History.*
A. B., Bethel College, Newton; A. M., University of Kansas; University of Chicago.

ALBERT F. SCHERSTEN, *Instructor in English.*
A. B., Augustana College, Rock Island, Ill.; Boston University; A. M., University of Wisconsin; University of Chicago.

EARL P. SHARP, *Instructor in Manual Training.*
Williamson Trade School, Philadelphia.

A. MAUD SPROAT, *Acting Head Primary Education.*
Kansas State Normal School; University of Chicago; B. S., Teachers College.

MINNIE E. STARR, *Instructor in Public-school Music.*
Graduate, Detroit Conservatory of Music; Thomas Normal Training School; National Summer School of Music, Chicago; American Institute Normal Methods, Chicago.

HARRIET M. STEVENSON, *Instructor in Home Economics.*
A. B., University of Kansas.

F. H. STREIGHTHOFF, *Instructor in Sociology.*
A. B., A. M., Wesleyan University (Conn.); Ph. D., Columbia University.

FRANCIS G. WELCH, *Instructor in Agriculture.*
B. S. in Education, Kansas State Normal School; Kansas State Agricultural College.

GENERAL INFORMATION.

HISTORICAL.

The State Normal School of Kansas was located at Emporia by act of the legislature passed in February, 1863; the legislature of 1864 provided for the appointment of a Board of Regents and the organization of the School, and the first appropriation bill, $1,000, for the salaries of teachers was approved February 29, 1864. The School opened its doors to students and began regular work in the upper room of a school building owned by the city of Emporia, February 15, 1865, with one teacher, L. B. Kellogg, and eighteen students.

The first building for the use of the School erected by the state was dedicated January 2, 1867; the first graduating class, consisting of two young women, was the class of 1867. Since that time the School has graduated more than 3,250 young men and women, and numbered probably 25,000 among its undergraduate students. Almost the entire number of these have engaged for a longer or shorter time in teaching in the schools of Kansas and of other states, and the influence of the School has been a positive and powerful factor in the educational life of the state during all the fifty years of its history.

By the act of the legislature of 1901 the Normal School at Hays, and by the act of the legislature of 1903 the Normal School at Pittsburg, were established as auxiliary to the State Normal School at Emporia, and designated, respectively, "The Western Branch State Normal School" and "The Manual Training Auxiliary."

By act of the legislature of 1913 the management of these schools was placed in the hands of a Board of Educational Administration. By authority of the same act the Normal School at Hays was reorganized as the Fort Hays Kansas Normal School, and the Normal School at Pittsburg as the State Manual Training Normal School.

In 1917, by act of the legislature, the management of the State Normal School passed to a newly constituted Board of Administration, controlling all state institutions, educational, charitable and correctional. This Board assumed its duties July 1, 1917.

PURPOSE.

The act organizing the School and locating it permanently at Emporia provided that its exclusive purpose should be "the instruction of persons, both male and female, in the art of teaching," and designated in general terms such branches of instruction as were then recognized as necessary for the accomplishment of that end. The School throughout its history has been conducted in the spirit of its foundation and with specific reference to its function of preparing teachers for the public schools of the state.

The field of the Normal School as an essential part of the school system of the state implies a recognition of the principles that proficiency in the art of teaching is dependent upon thorough knowledge of the fundamental principles of the science of teaching, that this knowledge should be both historical and philosophical, and that clear conception of methods can most readily be attained by an intelligent study of them in practical operation.

The Normal Schools of the state, then, organized into one system, assume as their field specifically the professional function. The place and value of every subject in the course of study is determined by its relation to this end, the method of approach to every subject of instruction has the teaching purpose practically in view, and in every way the Normal Schools seek to develop a distinctive teaching atmosphere, to foster the best expression of the teaching spirit, and to set the highest standards for teaching preparation.

To fulfill this mission adequately, and to meet the legitimate demands made upon them, the Normal Schools recognize that they must touch every phase of public-school life in the state, must lay the foundations of broad and thorough scholarship and professional training for every grade of school work, and must seek to be progressive centers of educational thought and disseminators of the best teaching ideals to the schools of every community.

LOCATION.

Emporia is a city of approximately 10,000 inhabitants, situated between the Neosho and Cottonwood rivers, in a beautiful and healthful location, easily accessible from all parts of the state by the main line and three branches of the Atchison, Topeka & Santa Fe Railway, and the Neosho branch of the Missouri, Kansas & Texas.

Emporia combines ideally the characteristics of a model school town. It is a substantial business city in the center of a prosperous agricultural community. Its well-kept lawns, its commodious and comfortable homes, its public buildings, and its numerous schools and churches are external evidence of the spirit of the community; it has also been known as one of the most attractive residence and home cities of the West. It is often designated as a city of schools and churches, and the educational and moral tone of the community is wholesome and helpful in the highest degree.

Students find a cordial welcome to their church homes in the various places of worship in the city, and they have no difficulty in finding places for room and board with congenial surroundings where the moral safeguards are the very best. Many families in the city are particularly identified with the life of the School because they have been especially attracted to Emporia as a place of residence by its educational opportunities.

BUILDINGS AND GROUNDS.

The Normal School grounds are located immediately adjacent to the city at the north end of Commercial street, the leading business street of Emporia. The original campus of twenty acres has been enlarged by

successive purchases so that it now includes about thirty-five acres, including one of the most satisfactory and best-equipped athletic fields in the state. The group of buildings includes:

PRESTON B. PLUMB MEMORIAL HALL.

The new administration and main recitation building was completed in 1917. The legislature of 1915 appropriated $175,000 for this building. The building is T-shaped, with the broad arm in front, facing the head of Commercial street, three hundred feet directly north of the old main building, which later will be removed. The dimensions are as follows: Main wing, 268 feet front, 82 feet side; rear wing (auditorium), 96 feet front, 113 feet deep. The materials are brick and stone, with reinforced concrete floors throughout the four stories. The building provides eighty-five class and office rooms, three rest rooms and two check rooms; also, the auditorium is entered from the main-floor rotunda, and seats 2,750 people; it is provided with ample stage and orchestra facilities.

THE KELLOGG LIBRARY.

Named in honor of Lyman Beecher Kellogg, first president of the School. It was completed in 1903; an attractive building in exterior and interior. In arrangement and equipment it is well adapted to the purposes of a modern educational library. On the first floor are the children's and school departments, an educational document room, and seminar rooms. On the second or main floor are the reading room, reference department, the loan desk, the stacks, the cataloguing rooms, and the librarian's office. The library collections and special features are described elsewhere.

THE TRAINING SCHOOL BUILDING.

Completed in 1905. It is arranged especially for practice teaching, and contains accommodations for the kindergarten and the eight grades of the common schools. It has a good equipment, with playroom, manual training, kindergarten, kitchen, and ample playgrounds. It is notable for its good light and ample ventilation. Valuable and appropriate pictures are on the walls. Its equipment is being added to from year to year.

THE NORTON SCIENCE HALL.

The building was named, by authority of the Regents, "The Norton Science Hall," in honor of Henry B. Norton, first teacher of natural science in the School and associate principal under L. B. Kellogg. Modern laboratories and lecture rooms, equipped with the best scientific apparatus, are provided for the science work. The museum is rich in specimens illustrating the various lines of biological science.

GYMNASIUM AND ATHLETIC FIELD.

The gymnasium is one of the very best in the Middle West. It is in every respect modern, and is designed exclusively for the Department of Physical Education. The basement is almost entirely above ground, allowing plenty of light and direct ventilation. It is equipped with dressing rooms, steel lockers, shower baths and a swimming pool. The first floor, which is 185 by 66 feet in size, is divided by a rolling

partition into two gymnasiums. One of these rooms is fitted for basket ball, baseball and other indoor games. The second floor has an exercise room equipped with all modern gymnaisum apparatus. The especially attractive feature of the building is the large basket-ball and exhibition rooms which, with its visitors' gallery, provides ample room for two thousand spectators. Adjoining the gymnasium is what is conceded to be the best athletic field in the state. This field, which is thoroughly tiled and drained, is provided with a quarter-mile cinder running track, with a 220-yard straightaway. It also has two football gridirons, three baseball diamonds, and nine tennis courts. Adjoining this field is a children's playground and a well-kept space for girls' athletic sports The size and excellent equipment of the gymnasium, together with the variety of outdoor athletic possibilities and the large staff of expert teachers and coaches, prepares the Normal to more fully train teachers for the athletic and playground work required of teachers than any other school in the West.

MUSIC HALL.

Directly east of the Science Hall. The building contains private studios for the instructors in instrumental and violin music, recitation rooms for classes in theory and harmony, and an office. It is well lighted by electricity, and furnishes very comfortable and convenient accommodations for the work of music.

THE EMERGENCY HOSPITAL.

Provided with equipment necessary for the care of the students who are ill. A trained nurse is in charge of the hospital. A small fee is required of all students for meeting the expenses of the nurse. The plan of caring for sick students has proved very effective. Precautionary and preventive measures have checked epidemics and conserved health.

THE HEATING PLANT.

Situated in the rear of the other buildings. It is equipped with a modern boiler and engine which furnish heat for all the buildings.

Admission and Registration.

USE OF THIS CATALOGUE.

Prospective students will find by a careful study of this catalogue that they will secure, in most cases, the information desired.

The confusion in which a new student often finds himself is due largely to the fact that he is unfamiliar with regulations and requirements.

NEW STUDENTS. Before coming to the State Normal School, persons should in all cases submit credits by the dates indicated below in order that they may make sure of admission to high-school courses, to college courses, or that the work submitted for credit will apply on the requirements for the certificate or diploma desired. The following paragraphs concerning admission should be read carefully. Careful attention in advance to these details often saves disappointment later.

All communications regarding admission should be addressed to the Registrar.

ADMISSION TO HIGH SCHOOL.

Any one who has completed the work of the common schools is admitted to the Normal Training High School.

Any one who has any high-school credits should ask the principal to send a transcript of the record, which should show the name of each course taken, the number of recitations or laboratory hours per week, the length of these hours, the number of weeks given to each course, the final grade, and the time spent. *Monthly or yearly report cards or diplomas will not be accepted.* Blanks for transcribing records will be furnished by the Registrar, to whom transcripts of record should be sent as early as May 15 if the student is planning to enter the following Summer Term, and by August 15 if the student is planning to enter in September.

HIGH-SCHOOL CREDIT. The *unit* is the measure of high-school work and credit. A high-school course that continues through the school year of thirty-six weeks, with five classroom periods of fifty minutes, is one unit of work and gives one unit of credit. In laboratory courses the number of weeks and the period is the same as in other courses, with three classroom periods and two double laboratory periods per week.

ADMISSION TO COLLEGE.

1. ADMISSION BY CERTIFICATE OF GRADUATION.

The requirements for admission of graduates of accredited high schools in Kansas to the Kansas State Normal School have been fixed by legislative enactment, which by section 8875, General Statutes of 1915, provides that:

"Any person who shall complete a four-year course of study in any high school accredited by the State Board of Education shall be entitled to admission to the freshman class of the State University, the State Agricultural College or any of the State Normal Schools on presenting a statement containing a transcript of his high-school record signed by the principal of the school and certifying that such person has satisfactorily completed said course of study."

Persons seeking admission to college courses should ask the principal of the high-school attended to send to the Registrar, on blanks furnished for this purpose, a transcript of their high-school record, which must show the name of each course, the number of weeks given it, the number of recitation or laboratory hours per week, the length of these hours, the final grade, the duration of time spent in the school attended, and the date of graduation. *Monthly or yearly report cards and diplomas will not be accepted.* This information should be sent as early as May 15 if the person desires to enter in the Summer Term, and by August 15 if the person desires to enter in September. A checking is made of the work submitted, and an admission card is sent to the student, when time permits, enabling him to know, in advance of entrance, his classification and standing. Students who do not present credits until the day of entrance are subject to delay. Early attention to this matter is of advantage.

COLLEGE CREDIT. The *semester hour* is the measure of college work and credit. A college course that continues through the semester of eighteen weeks, with one period of fifty minutes of classroom work, is one semester hour of work and gives one semester hour of credit. Laboratory courses require twice as much time as is required in classroom work.

College credit for correspondence study and either form of extension study will be granted only to students who have submitted sufficient work from an accredited high school or from examination to meet college entrance requirements and who have been admitted to college work. Grades of other students will be filled merely and not entered on the record. They will be recorded or transcribed when this requirement is satisfied. Not more than fifty per cent of the requirement for any certificate or diploma may be satisfied with credits earned in this way.

ACCREDITED AND APPROVED HIGH SCHOOLS.

The following is a list of the high schools accredited, or approved, for the year 1918-'19, the classification being based upon the standards for accredited and approved high schools, adopted by the State Board of Education:

ACCREDITED.

Class A.

Abilene.
Alma.
Anthony.
Arkansas City.
Ashland.
Atchison.
Augusta.
Belleville.
Beloit.
Burlington.
Caldwell.
Chanute.
Chapman.
(Dickinson Co.)
Cherryvale.
Clay Center.
(Clay Co.)
Clyde.
Coffeyville.
Colby.
(Thomas Co.)
Columbus.
(Cherokee Co.)
Concordia.
Cottonwood Falls.
(Chase Co.)
Dodge City.
Effingham.
(Atchison Co.)
El Dorado.
Ellsworth.
Emporia.
Eureka.
Fort Scott.
Frankfort.
Galena.
Garden City.
Garnett.
Girard.
Goodland.
(Sherman Co.)
Great Bend.
Greensburg.
(Kiowa Co.)
Halstead.
Hays.
Hiawatha.
Hoisington.
Holton.
Horton.
Humboldt.
Hutchinson.
Independence.
(Montgomery Co.)
Iola.
Junction City.
Kansas City.
(Argentine High.)
(Central High.)
(Sumner High.)
Kingman.
Kinsley.
Larned.
Lawrence.
Leavenworth.
Lindsborg.
Lyons.
Manhattan.
Mankato.
Marion.
Marysville.
McPherson.
Medicine Lodge.
Minneapolis.
Neodesha.
Newton.
Nickerson.
(Reno Co.)
Norton.
(Norton Co.)
Oberlin.
Olathe.
Osawatomie.
Osborne.
Ottawa.
Paola.
Parsons.
Peabody.
Pittsburg.
Pratt.
Rosedale.
Sabetha.
Salina.
Smith Center.
Stafford.
Sterling.
St. John.
Topeka.
Valley Falls.
Wakeeney.
(Trego Co.)
Wamego.
Washington.
Wellington.
(Sumner Co.)
Wichita.
Winfield.
Yates Center.

Class B.

Altamont.
(Labette Co.)
Alton.
Altoona.
Argonia.
Axtell.
Baldwin.
Belle Plaine.
Blue Rapids.
Bucklin.
Burlingame.
Burr Oak.
Burrton.
Caney.
Cawker City.
Cedar Vale.
Cherokee.
(Crawford Co.)
Cimarron.
Clearwater.
Clifton.
Coldwater.
Colony.
Council Grove.
Downs.
Douglass.
Ellinwood.
Ellis.
Erie.
Eskridge.
Florence.
Formoso.
Fowler.
Fredonia.
Gardner.
Glen Elder.
Greenleaf.
Harper.
Hartford.
Herington.
Highland.
Jewell.
Kiowa.
La Harpe.
Lebanon.
Liberal.
Lincoln.
Logan.

ACCREDITED—CLASS B—*concluded.*

Lucas.
Lyndon.
Macksville.
Meade.
Moline.
Mount Hope.
Mulvane.
Ness City.
Nortonville.
Oakland.
Onaga.
Osage City.
Oskaloosa.
Phillipsburg.
Pleasanton.
Quinter.
Rose Hill.
Russell.
Sedan.
Sedgwick.
Seneca.
St. Francis.
(Cheyenne Co.)
Soldier.
Solomon.
Stockton.
Syracuse.
Tonganoxie.
Troy.
Valley Center.
Waterville.
Wathena.
Waverly.
Wellsville.
Wetmore.
Wilson.

Class C.

Alden.
Allen.
Almena.
Attica.
Atwood.
(Rawlins Co.)
Bentley.
Blue Mound.
Bonner Springs.
Bronson.
Brookville.
Burns.
Canton.
Centralia.
Chase.
Cheney.
Coats.
Conway Springs.
Covert.
Cunningham.
Delphos.
Denison.
Dighton.
(Lane Co.)
Elwood.
Enterprise.
Eudora.
Everest.
Fairview.
Ford.
Frontenac.
Garfield.
Greeley.
Gypsum.
Goff.
Hanover.
Harveyville.
Havensville.
Hill City.
Hillsboro.
Howard.
Hoxie.
Hoyt.
Jetmore.
(Hodgeman Co.)
Kincaid.
La Crosse.
Lakin.
Lansing.
Lebo.
Leon.
Leoti.
(Wichita Co.)
Lewis.
Linwood.
Little River.
Lovewell.
Luray.
Madison.
Maize.
Marquette.
McLouth.
Melvern.
Moran.
Morrill.
Mound City.
Moundridge.
Mulberry.
Natoma.
Norwich.
Oakley.
Oswego.
Oxford.
Ozawkie.
Pawnee Rock.
Perry.
Plainville.
Powhattan.
Preston.
Protection.
Quenemo.
Randolph.
Ransom.
Reading.
Robinson.
Rossville.
Savonburg.
Scandia.
Scott City.
Severy.
Silver Lake.
Spearville.
Spivey.
St. Marys.
Summerfield.
Sylvan Grove.
Toronto.
Tribune.
(Greeley Co.)
Wakefield.
White Cloud.
White City.
White Water.
Whiting.
Williamsburg.

Class D.

Abbyville.
Ada.
Adams.
Admire.
Agenda.
Agra.
Alexander.
Alta Vista.
Americus.
Andover.
Anthony.
(Spring Twp.)
Arcadia.
Arlington.
Asherville.
Assaria.
Athens.
Atlanta.
Auburn.
Bancroft.
Barclay.
Barnard.
Barnes.
Baxter Springs.
Beattie.
Belpre.
Benedict.
Bennington.
Benton.
Bern.
Berryton.
Beverly.
Brownell.
Buffalo.
Buhler.
Bunker Hill.
Burden.
Bushong.
Bushton.
Byers.
Carbondale.
Carlyle.
Cassoday.
Cedar.
Chetopa.
Circleville.
Claflin.
Clayton.
Climax.
Codell.
Copeland.
Corning.
Courtland.
Cuba.
Cullison.
Culver.
Deerfield.
Delia.
Denton.
Derby.
De Soto.
Dexter.
Dorrance.
Dunlap.
Easton.
Edna.
Edwardsville.
Elk City.
Elkhart.
Elsmore.
Englewood.
Esbon.
Fall River.
Falun.
Fellsburg.
Fulton.
Galesburg.
Galva.
Garden Plain.
Garrison.
Gaylord.
Geneseo.
Glasco.
Goddard.
Grainfield.
Grenola.
Gridley.
Grinnell.
Hamilton.
Hamlin.
Hardtner.
Harlan.
Haven.
Haviland.
Hazelton.
Holcomb.
Hollenberg.
Hope.
Hugoton.
(Stevens Co.)
Ingalls.
Irving.
Isabel.
Jamestown.
Jarbalo.
Johnson.
(Stanton Co.)
Kanopolis.
Kansas City.
(Wilson.)
Keats.
Kensington.
Kipp.
Kirwin.
La Cygne.
Lane.
Langdon.
Latham.
Lecompton.
Lenora.
Leonardville.
Le Roy.
Linn.
Longford.
Louisburg.
Louisville.
Long Island.
Longton.
Lost Springs.
Mahaska.
Maplehill.
Mayetta.
McCune.
McDonald.
Meriden.
Merriam.
Michigan Valley.
Mildred.
Milton.
Minneola.
Montezuma.
Monument.
Morehead.
Morganville.
Morland.
Mound Valley.
Mullinville.
Munden.
Muscotah.
Narka.
Neal.
Neosho Falls.

ACCREDITED—CLASS D—*concluded.*

Neosho Rapids.
Netawaka.
New Ulysses.
(Grant Co.)
Norcatur.
Norway.
Offerle.
Oketo.
Olsburg.
Oneida.
Overbrook.
Overland Park.
Padonia.
Palco.
Paradise.
Parkerville.
Partridge.
Paxico.
Peru.
Piedmont.
Plevna.
Pomona.
Portis.
Potter.
Potwin.
Pretty Prairie.
Princeton.
Ramona.
Rantoul.
Redfield.
Reece.
Republic.
Reserve.
Richmond.
Riley.
Rock Creek.
Rosalia.
Rozel.
Russell Springs.
Saffordville.
Santa Fe.
(Haskell Co.)
Sawyer.
Scottsville.
Scranton.
Severance.
Sharon.
Sharon Springs.
Simpson.
South Haven.
Spring Hill.
Stark.
Stilwell.
St. John.
(Antrim.)
Sylvia.
Tampa.
Tescott.
Thayer.
Topeka.
(Highland Park.)
(Washburn
Rural H. S.)
Towanda.
Turner.
Turon.
Udall.
Uniontown.
Utica.
Vermillion.
Vinland.
Viola.
Waldo.
Walnut.
Walton.
Webster.
Welda.
Westmoreland.
Westphalia.
Wheaton.
Willis.
Wilmore.
Wilsey.
Winchester.
Windom.
Winona.
Woodbine.
Woodston.

APPROVED.

Three-year Course.

Arma.
Bavaria.
Bendena.
Bird City.
Bushton.
Durham.
Herndon.
Hunter.
Plains.
Prairie View.
Vernon.
Vesper.
West Mineral.

Two-year Course.

Athol.
Belvue.
Brewster.
Bucyrus.
Cedar Point.
Delavan.
Elk Falls.
Elmo.
Girard.
(Fairview.)
Halifax.
Inman.
Ionia.
Jennings.
Kanorado.
Moscow.
Nashville.
Niles.
Olivet.
Penalosa.
Prescott.
Roxbury.
South Hutchinson.
Scammon.
Talmage.
Topeka.
(Shorey.)
Trousdale.
Wayside.
Webber.

One-year Course.

Bridgeport.
Liberty.

PRIVATE INSTITUTIONS

Accredited but Not Classified.

Atchison—
Mt. St. Scholastica Academy.
Concordia—
Nazareth Academy.
Dodge City—
St. Mary of the Plains Academy.
Emporia—
Normal High School.
Haviland—
Haviland Academy.
Hesston—
Hesston Academy.
Hillsboro—
Tabor College Academy.
Kansas City—
Catholic High School.
Lawrence—
Oread High School.
Leavenworth—
Catholic High School.
St. Mary's Academy.
Lindsborg—
Bethany College Academy.
Manhattan—
Sacred Heart Academy.
McPherson—
Central College Academy.
McPherson College Academy.
Miltonvale—
Wesleyan Academy.
Newton—
Bethel College Academy.
Northbranch—
Northbranch Academy.
Ottawa—
University Academy.
Paola—
Ursuline Academy.
Salina—
Kansas Wesleyan Academy.
Sacred Heart Academy.
St. Marys—
Immaculate Conception H. S.
Topeka—
Catholic High School.
College of the Sisters of Bethany.
Wichita.
Cathedral H. S.
Friends University Academy.
Mt. Carmel Academy.

APPROVED.

Two-year Course.

St. Paul—
St. Francis High School.
Concordia—
Normal and Business College.

NONRESIDENTS.

Any applicant for admission who is a graduate of a high school in another state will be admitted to freshman courses if the high school is accredited by the state university or by the state department of education of that state.

2. ADMISSION BY EXAMINATION.

Persons who cannot submit fifteen acceptable units of accredited high-school work are required to sustain creditable examinations in sufficient work selected from the following courses. Courses submitted for college entrance indicated must include courses as required and a sufficient number of other courses that the total credit may be fifteen units.

Dates of these examinations are indicated in the school calendar. Persons interested should inquire of the Registrar.

ENGLISH:

May be submitted: Composition and Rhetoric, and Literature, 4 units.
Required: Composition and Rhetoric, and Literature, 3 units.

MATHEMATICS:

May be submitted: Algebra, 1½ units; Plane Geometry, 1 unit; Solid Geometry, ½ unit; Trigonometry, ½ unit; Arithmetic, ½ or 1 unit.
Required: Algebra, 1 unit; Geometry, 1 unit.

FOREIGN LANGUAGES:

May be submitted: Latin, 1 or more units; German, 1 or more units; Spanish, 1 or more units; French, 1 or more units.
Required: No requirement, but see General Catalogue for requirements for degree of Bachelor of Science in Education.

PHYSICAL SCIENCE:

May be submitted: Physics, 1 unit; Chemistry, 1 unit; Physical Geography, ½ or 1 unit.
Required: 1 unit in one science.

BIOLOGICAL SCIENCE:

May be submitted: Botany, 1 unit; Agriculture, 1 unit; General Biology, 1 unit; Physiology, ½ or 1 unit.
Required: 1 unit in one science.

HISTORY AND GOVERNMENT:

May be submitted: Greek and Roman History, 1 unit; Medieval and Modern History, 1 unit; English History, 1 unit; American History, 1 unit; Civics, ½ or 1 unit; Economics, ½ or 1 unit.
Required: History, 1 unit.

MISCELLANEOUS:

May be submitted: Psychology, ½ or 1 unit; Methods of Teaching and School Management, ½ or 1 unit; Bookkeeping, 1 to 2 units; Commercial Law, 1 unit; Commercial Geography, ½ unit; Manual Training, 1 to 2 units; Drawing, ½ or 1 unit; Domestic Science or Art, 1 unit; Music, 1 unit; Elementary Science, ½ or 1 unit; Shorthand, 1 to 2 units; Typewriting, 1 to 2 units.

3. Admission as an Unclassified Student.

Persons who are not candidates for a certificate or diploma and who have the maturity and experience and approval indicated, although unable to meet college entrance requirements, are admitted to college courses. The following regulations should be noted:

1. All applicants for this kind of admission must be at least twenty-one years of age and have as much as three years of successful teaching experience.
2. The written approval of the head of the department in which college work is desired must be presented to the Registrar, who will furnish an application card for this purpose.
3. Unclassified students are subject to the usual requirements governing amount of credits, hours of preparation, hours of classroom and laboratory work, examinations and physical training. Unclassified students who prove unable to carry satisfactorily the work to which they have been admitted will be required to take work of lower grade.

4. Admission to Advanced Standing.

The regulations governing admission to advanced standing are administered by a committee which examines into the merits of each case presented to it. Credit given depends on the individual case. These regulations are as follows:

1. Applications for advanced standing must be made at the time of entrance.
2. A transcript of record should be sent to the Registrar, which should indicate the name of each course, the number of weeks given to it, the number of recitation or laboratory hours per week, the length of these hours, the final grades, the duration of time spent in the institution attended, the degree conferred if any, with date, and the status of the student.
3. Advanced standing will not be given for work done during a four-year course of study in high school, academy or other preparatory school. College credit for work done in preparatory schools will be given upon examination only, and only for work done after graduation.
4. The maximum of advanced standing for junior college course of study is sixty semester hours. Such work will be rated only as junior college work. The maximum of advanced standing for work done during a four-year college course is ninety hours, except in cases where the candidate elects to meet the residence requirement in three summer terms for a degree, in which case the maximum advanced standing is ninety-six hours.
5. No credit will be allowed for irregular educational work, like teaching in institutes, nor for high grades on certificates, nor shall successful educational experience constitute a presumptive claim for advanced standing.
6. Examinations for advanced standing may be given to applicants who have had systematic courses in an approved college, but who cannot furnish satisfactory credentials showing that they have taken the work. The Committee of Advanced Standing will determine the total credit so obtained and the subjects upon which the examinations will be given. No student will be allowed to take an examination for advanced standing until he has secured a properly certified permit from the chairman of this committee. No examinations will be given to students in subjects in which they have received conditions or failures in other colleges.
7. All advanced standing credit is provisional and may be withdrawn if the student's record does not justify the credit given.

All inquiries concerning advanced standing should be addressed to the chairman of the Advanced Standing Committee.

REGISTRATION.

STUDENT ADVISERS. Each high-school and college student comes under the direct advisory control of some member of the Faculty who assists him in outlining his work.

TIME FOR REGISTRATION. Students in attendance for the second semester and who intend to remain in school for the Summer Term will register on May 28 or 29. New students will register June 1. A fee of $1 will be charged for late registration, unless valid reason can be shown for not registering at time indicated.

Students who enter in September will register Monday and Tuesday, September 6 and 7. (See under "Admission" concerning credits.) A fee of $1 for late registration will be imposed in cases where registration is not completed within the time specified.

PLACE OF REGISTRATION. The work of registration of students is done in the gymnasium, the east half of the second floor being given to the work of high-school students; the west half of the second floor to college students.

ROUTINE OF REGISTRATION. The following steps in the process of registration of students should be carefully noted:

1. *New students* must report first at the Registrar's office, 122 Plumb Memorial Hall, and secure *Admission Card.* (See under "Admission" concerning credits.)

2. *Former college students* must secure *Course Book* at this office.

3. *All high-school students* should consult the Principal concerning courses to be taken.

4. All college students will present Admission Card to the Committee on Admissions and Classification. If credits have not been presented earlier they should be presented to this committee at this time. (See under "Admission" concerning credits.)

5. Under direction of this Adviser, student should fill in *Preliminary Registration Card,* showing all courses to be taken, work in physical-training practice being included. (For amount of work that students may take, see paragraph below.)

6. *An Assignment Card* should be secured from the head of the department for each course to be taken.

7. All women students must register with the Dean of Women before paying fees.

8. Fees should be paid to the Bursar. Class attendance is not permitted until all fees have been paid, or an arrangement satisfactory to the Bursar is made for payment.

9. All printed directions on cards used in registration should be observed.

PHYSICAL-TRAINING PRACTICE is required of all high-school students and of college freshmen and sophomores. There are no specific requirements except in the cases of students working for the Special Certificate in Physical Training and in the case of those majoring in Physical Training.

LIBRARY LECTURES are required of all students in the Freshman year. Conferences in introduction to Kellogg Library, given once per week for

six weeks at the beginning of each semester. Inquire of the Reference Librarian at Kellogg Library.

CHANGES IN REGISTRATION. A student having registered is a member of such classes until changes are properly made. Credit will not be recorded except in accordance with the student's registration.

Any student who wishes to change his registration must present to the Registrar within *one week* after the opening of the semester, or term, his student card, no erasure, change or addition having been made in his program of studies as first made up.

High-school students desiring a change in registration must first present this card to the Principal and then to the Registrar.

Students are not permitted to take up other work except in the way described.

AMOUNT OF WORK. High-school students are not permitted to register in more than four courses, or in less than two courses. With the permission of the Principal mature persons with teaching experience may carry five courses.

College students are not permitted to register for work giving less than eight hours credit, not including credit for one-half hour of physical-training practice, nor without permission of the Committee on Extra Hours to register for work giving more than sixteen hours credit, not including credit for one-half hour of physical-training practice. Application blanks for extra hours may be had of the chairman of the Extra Hours Committee. They should be filed with the committee within the time indicated for registration.

Students working for board and room, or either, take less than regular work.

VISITORS. Occasional visitors in classroom or laboratory work are, of course, welcome, but all persons who wish to be visitors any length of time beyond a few days must register, whether credit is desired or not.

It is not permitted students registered as "visitor" to change the registration for "credit" after the first week of the semester (or term), and then only if the rules governing the amount of work permit.

EMPORIA ADDRESS. Students should indicate their Emporia address and telephone number on registration card. If these are not known at the time of entrance, they should be reported promptly after the student is located. Failure to have this information makes impossible the delivery of letters and telegrams, and students' relatives and friends have often been unable to find them.

Letters that cannot be delivered are returned to the post office, and then sent to the dead letter office. Ask at the office of the Registrar for a card for sending this information when it must be delayed.

IRREGULAR STUDENTS. The student is irregular who takes more than one course in any department, except as it can be shown that such choice of courses is conforming to the course of study. Students who are irregular pay fees as indicated below.

FEES.

After consideration, and in view of the greatly increased cost of the work of our educational institutions, it is hereby voted by the State Board of Administration to fix this standard of fees in the three State Normal Schools as indicated:

TIME OF PAYMENT. All fees must be paid at the time of registration, or an arrangement made with the Bursar for payment before any person is entitled to admission to classes or to other student privileges.

REFUND. Fees will not be refunded except in case of withdrawal within one week after the time of entrance. No refund of fees will be made unless students secure authorized withdrawal before leaving school. (See below under the head of "Withdrawal.")

LATE REGISTRATION. A considerable amount of extra work and a great deal of confusion is caused by the neglect of students to register at the time set for that purpose, and a fee of $1 will be charged those who do not register at the provided time.

STUDENT ACTIVITY. A fee of $1 is imposed on each student in Summer School and $2.50 per semester for student activities. This admits the student to all athletic contests, all numbers on the lecture course, moving pictures, etc. It also gives the privilege of playing tennis and other sports.

INCIDENTAL. Each student will pay a fee of $7 for the Summer School and for each semester for general materials and reagents used in class work and for the wear and tear on the equipment in the laboratories, libraries, gymnasiums, etc.

LABORATORY. Students taking work in the sciences, manual training, home economics, and other courses where laboratory work is required pay for the materials used. In case of withdrawal of students the unused portion of this fee will be refunded, the head of the department the amount due the student.

HOSPITAL. Each school year, or fraction thereof, all students in college and high-school work pay $1 per year, to be used as a hospital fund.

NONRESIDENT. Each student who is not a resident of the state of Kansas shall pay, in addition to other fees, a fee of $10 for the Summer Session, and $15 for each semester.

TYPEWRITER. A fee of $4 will be charged for the use of the typewriter by students in this subject.

IRREGULAR. Irregular in one course, $4. (See paragraph, *Irregular Students.*)

EXAMINATION. Students pay the regular examination fee of $1 for the privilege of taking the county examination under supervision of the State Normal School. Other persons desiring to take this examination pay student fees also.

CORRESPONDENCE WORK Students taking work by correspondence pay fees indicated in special correspondence catalogue.

SUSPENSION.

High-school students who fail in *two* courses (one course in the Summer Term) and college students who fail in *six* hours work (three hours in the Summer Term) are suspended for the next semester, or term. Suspended students may be reinstated only by the President.

FINAL EXAMINATIONS.

Semester and term *final examinations* are given as follows:

1. In all courses, except physical-training practice.
2. Seniors graduating at the close of the second semester shall be excused from the examinations of that semester, provided their work is satisfactory.
3. Final examinations of the Summer School will be given at the last meeting of the class, the lecture hour being distributed to increase the period to sixty minutes.

ABSENCES. 1. For every "cut" there shall be deducted from the student's total credit, one-sixteenth of a semester hour.

2. An absence occasioned by any school activity, serious illness, quarantine and death or serious illness in the student's immediate family shall not be considered as a "cut."

3. An absence during the two days immediately preceding or following a vacation, and not coming under section 2, shall count as a "double cut."

4. Three cases of tardiness shall be construed as one "cut."

WITHDRAWAL.

Any student who wishes to withdraw from school must secure a *card of withdrawal* from the Registrar. A mark of *failure* is entered upon the record of any student who leaves school without having secured *authorized* withdrawal.

STATEMENT OF ATTENDANCE.

A statement of attendance is often required of students by superintendents or boards of education. Any person desiring such statement should apply at the Registrar's office before the date of leaving school. It is difficult, if not impossible, to determine after the close of the semester the exact number of weeks of attendance. (See Withdrawal.)

EXAMINATIONS.

COLLEGE ENTRANCE EXAMINATIONS are conducted twice yearly, in May and in September. Such an examination is required of all persons who are unable to submit fifteen acceptable units of accredited high-school work. Persons interested in these examinations should address the Registrar.

EXAMINATIONS FOR HIGH-SCHOOL CREDIT are given in cases of merit. Persons interested should consult the Registrar.

SEMESTER AND TERM FINAL EXAMINATIONS are required in all courses except physical-training practice courses at the close of each session.

COUNTY TEACHERS' EXAMINATIONS are conducted at the State Normal School. The dates for the June and July examinations are announced

by county superintendents. Examinations in October, 1919, were given the 24th and 25th; in January, 1920, the 30th and 31st.

Students, upon the payment of the usual examination fee of one dollar for each examination, may take the examination for county certificates, to be conducted under the supervision of the State Normal School. Manuscripts are sent to any county designated by the applicant, there to be examined by the county board of examiners, who will issue certificates to the successful applicants under the same conditions as if the examination had been conducted under their supervision.

BOARD AND ROOMS.

Board in clubs costs from $4.50 to $6 per week. Those who board themselves reduce the cost somewhat. Coöperative boarding clubs, $4.50 per week. A cafeteria operated by the institution is located on the campus. Students may secure board at nominal prices.

Rooms, $6 to $16 per month, for two students in room, according to size and convenience.

It is not necessary for students to engage rooms before they come to Emporia. It is always more satisfactory to see rooms and to defer making arrangements concerning the transfer of baggage until a satisfactory room has been found.

A Faculty committee has direct supervision of the rooming-house facilities. All rooms offered for student use are carefully inspected, and a record made of the conveniences offered, and also of the hygienic conditions, both inside and outside the house, which might have a bearing upon the student's health. The location and the price asked for each room are carefully tabulated, and lists of approved rooms are placed at the disposal of all students immediately on their arrival in Emporia. The list of girls' rooming houses may be found in the office of the Dean of Women, and the list of boys' rooming houses will be found in the Extension office.

A standing rule of the Normal School requires boys and girls to room in separate houses. Rooms must not be selected which are not found on these approved lists, as the committee has full power to require a student to move from a location which does not come up to every reasonable requirement of the School. This committee also occasionally visits the boarding clubs in order that they may keep in touch with the general conditions under which food is furnished to the student. Students should report all complaints in regard to accommodations, unsanitary conditions, or contagious disease. Cases of contagious diseases should be reported to the nurse at the Emergency Hospital. Complaints of the girls as to housing conditions should be registered with the Dean of Women, and of the men with the Dean of the School.

Students should plan to be in Emporia at least two days before school opens, in order to get the best accommodations. Students desiring to do some work during the school year should write to the Y. W. C. A. or the Y. M. C. A. several days before school opens, stating the kind of work desired.

SUPERVISION OF STUDENT LIFE.

The Dean of Women has special charge of the comfort, health, scholarship and social relations of the young women of the institution.

There are no halls of residence at this Normal School, but suitable homes are provided in private families. These rooms are inspected, and although responsibility for them cannot be assumed by the institution, they are placed on an approved list. By a rule of the institution, women students may room only in such houses as accommodate women exclusively, and which provide a parlor for the reception of visitors. Women students may room in other houses only by the permission of the Dean of Women.

A change in rooming place must not be made by any young woman without permission of the Dean of Women.

All social events must be registered in the Dean's office. Excuses for absences must be presented to her. Women students leaving town must report the same to her. Should a projected trip involve absence from class, permission must be obtained from her. Correspondence with inquiring parents and guardians is desired.

Freshman lectures for girls are given by the Dean of Women once a week during each semester. These lectures present matters of information useful to all just entering college. All Freshman girls and all girls in this School for the first time are required to attend these lectures for one semester of their first year in this School. No credit is given.

OLD COURSES OF STUDY.

The following statement of equivalents is made for the benefit of graduates of courses of study formerly given. Those wishing to continue their work will find here their standing in terms of semester hours of credit. The requirements for the several certificates now given, as well as for the degree of bachelor of science in education, are indicated in their respective places. These are taken at full value in meeting present requirements.

They have, in addition to sufficient work for college entrance, credit value as follows:

Elementary, 32 hours.
English, 64 hours.
English-German, 64 hours.
Latin, 64 hours.

EMPLOYMENT FOR STUDENTS.

Students who desire to earn all or part of their expenses while in school may be able to secure employment of different kinds through the offices of the Y. M. C. A. secretary and the Dean of Women, who are in charge of the Normal Employment Bureau.

Men students receive from twenty to thirty cents per hour for the following kinds of work: Janitor service in buildings and on grounds of the Normal School, making gardens, cleaning and improving yards, caring for live stock, house cleaning, clerking, etc.

Women students receive from twenty to twenty-five cents per hour for the following kinds of service: General housework, care of children, sewing, clerking, ironing, etc.

Full board or board and room for both men and women can often be secured in return for steward service at student boarding clubs, waiting on table, washing dishes, cleaning, etc., or for the equivalent of from three to four hours per day in private families.

In many cases persons desiring student help require an interview with students. It is well for those desiring employment to come to Emporia.

For regulation concerning the amount of work that those who do outside work may take, see page 25.

HOSPITAL FUND.

This fund is provided by the fee of one dollar per year paid by all students in college and high-school courses. It is used to pay salary of the head nurse, for such emergency hospital supplies as are necessary, and for unavoidable expenses required for proper care of the sick. The hospital fund has met with generous approval and has contributed to better general health and to the comfort of the students.

The hospital fund is administered subject to the following rules:

1. That the responsibility of the nurse extends to the advising of students in cases of mild illness and to the care of more serious cases until other arrangements can be made.
2. That the building be called the "Normal Emergency Hospital," and the fund be designed "Emergency Hospital Fund."
3. That students will be taken from their rooms to the hospital only in cases of emergency.
4. That patients be cared for in the Emergency Hospital no longer than the time necessary to communicate with their parents or friends and arrangements can be made for their safe removal.
5. That patients cared for in the hospital pay day charges at the rate of seventy-five cents a day. This will cover food and simple remedies, but includes neither doctor's fees nor prescriptions.
6. That patients in the Emergency Hospital may call the physician they prefer, and will be under his care and that of the resident nurse until removed.
7. That cases of contagious disease be not taken into the Emergency Hospital.
8. That a housekeeper be employed at the Emergency Hospital to care for the house and to furnish meals.
9. That the nurse may have certain hours within which she will make calls.

DEPARTMENT CLUBS.

The Mathematics Club is an organization for those students whose major subject is mathematics, and who are especially interested in the current literature regarding the history and the teaching of mathematics. Its membership is restricted to those having full collegiate standing. The meetings are held the second Wednesday evening of each month.

The Modern Language Club is an organization open to all students of the department. It meets on the second and fourth Wednesday evenings of each month of the regular school year. Its chief objects are the

discussion of valuable books and periodicals, the observation of important holidays and anniversaries peculiar to the French-, German- and Spanish-speaking countries and the enjoyment of pleasant social hours.

THE EUROPEAN HISTORY CLUB is organized for those students who are interested particularly in the study of European history. Its aim is to draw the students through this special interest into closer social and intellectual union. The study of some historical theme is pursued throughout the year, the students themselves taking a large part in the presentation and discussion of the subject. The club meets on the first and third Wednesdays of each month.

THE PHYSICS CLUB meets monthly. From an enrollment of a dozen at its initiation it has grown until the regular attendance ranges from forty to fifty members. The ideals of the club are to arouse greater interest in physics, to promote coöperation and mutual assistance to those who are working in this department, and to encourage deeper study of many of the most common and interesting phenomena and principles.

THE LATIN CLUB is conducted for the benefit of students enrolled in the Latin department and others who may be interested in the study or teaching of Latin. It meets on the second and fourth Wednesdays of each month. The programs consist of papers, reports, dialogues, scenes from standard Latin authors, and short plays given by the students. Frequent addresses and lantern talks are given by the instructors and other members of the Faculty.

THE PHILOSOPHY CLUB is composed of members of the Faculty, advanced students and townspeople. The only qualification required for membership is an interest in philosophy. The club meets Saturday evening of each week.

THE MUSICAL ARTS CLUB consists of the members of the Chorus, Glee Clubs, Treble Clef Club, Orchestra and Band. A social meeting with a short program is held on the third Wednesday of each month. All activities of the club are planned by the students in the organization.

THE ART STUDY CLUB of the Kansas State Normal is a new organization, organized for those students who are especially interested in art. It has as its purpose the study and appreciation of art in its different forms. The club meets the first and third Wednesday evenings of each month.

THE SENATE is a club formed for the discussion of current political problems and for practice in parliamentary law. It is organized under rules similar to those of the United States senate, with the regular senatorial committees and officers.

STUDENT SOCIETIES AND CLUBS.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION has a secretary whose full time is devoted to the service of the men of the Normal. A handbook containing matters of interest and information on all school activities is printed every year, and will be mailed on request to any one who desires it. The information bureau, the coöperative employment plan, the so-

cials, and addresses on things of vital interest to every man, make the Y. M. C. A. a valuable asset to student life. Questions regarding room, board, self help, etc., will be answered so far as possible, and some member of the association will meet any prospective student who will inform the secretary when he expects to arrive in Emporia. Address correspondence to the Secretary of the Normal Y. M. C. A.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION is an organization of the young women of the School. It is one of 660 such organizations for women students in the United States. Its purpose is not only to train young women while in school in methods of service by helping one another, but by this to fit them for greater usefulness when they leave school. The work is carried on by committees under the direction of a cabinet chosen from the membership, and the general secretary, who is employed for full time. Some of the important features of the work are the rest room, a bureau through which many girls obtain employment, meeting new students at the trains and helping them to become acquainted through social occasions and calls, Bible study and mission study, vesper services, and calling on sick girls. Miss Grace Irwin, the general secretary, will be very glad to answer any correspondence in regard to work, plans, or anything that will be helpful to a new student.

STORY-TELLING CLUB. The primary and kindergarten girls, feeling a need of practical work in story-telling and dramatization, have organized a club for this purpose, known as the Story-telling Club. They meet every two weeks and tell stories suggested by the seasons. The programs are occasionally made more enjoyable by the use of music and children's games, while now and then an entire social evening is given.

THE ORATORICAL ASSOCIATION is composed of those interested in oratory. The Normal School participates in two oratorical contests—the contest between the three Normal Schools of the state, and the collegiate oratorical contest. The winner of these contests represents the state in the interstate contests.

THE DRAMATIC CLUB is composed of those who are chosen in the casts of the plays which the college department presents during the year. The selection of the cast is made by the head of the Department of Public Speaking and Expression.

THE FORENSIC FRATERNITY is an honorary fraternity composed of those who have represented the Normal School in debate or oratory. It was organized in the spring of 1916, with a charter membership of sixteen. The purpose of the organization is to further the interests of all forms of public address.

THE NORMAL MASQUES is a dramatic club of the Normal High School. It has for its membership those who are interested in amateur dramatics. They present one full evening play and several short plays each year.

THE IONIAN SOCIETY, a group of thirty wide-awake girls interested in social and literary pursuits. Membership is obtained by election and invitation from the society. Composers, musicians, grand opera and concert performers have their share in the year's programs.

THE ALICE FREEMAN PALMER SOCIETY is a literary society composed of thirty girls chosen from classes above the Freshman class. The society meets weekly, on Saturday, with an occasional social meeting.

THE SIGMA SOCIETY is composed of a group of twenty-five or thirty girls, organized for the purpose of developing social leaderships by means of studying social forms and ways of entertainment. It meets once a week at the home of one of the members, when programs are given consisting of music, reading, talks on etiquette and games. Often one particular topic is studied throughout the semester, as musicians, artists and the current events.

THE OMEGA SOCIETY is the oldest girls' society in the School. It was organized by a group of girls desiring special training in literary research and debate. During the eleven years since its organization the society has stood for the best of all school activities, and has swerved from its original purpose only in so far as debate is no longer emphasized. Aside from the literary and educational value of the society, many of the social activities of the School center here.

THE REPRESENTATIVE LITERARY SOCIETY is one of the strong men's societies of the School. It meets weekly for practice in all forms of platform work and parliamentary drill. It is under the censorship of a member of the Faculty, who advises and suggests work for the different members.

THE DELPHIAN LITERARY SOCIETY, although the newest men's society in the School, boasts of the largest membership. The work of the weekly meetings is that done by the usual literary society—debates, orations, readings, and musical numbers. A member of the Faculty acts as critic.

JAYHAWKER DEBATING CLUB. This organization is composed of about twenty-five young men of the College, who meet weekly, on Saturday morning, for the discussion and formal debate of live current topics. At times active parliamentary practice is engaged in, under the criticism of a Faculty member. A good opportunity is thus afforded young men to secure training for public service.

THE NEWMAN CLUB is an organization of Catholic students of the School, formed for purely social purposes. With the organization the purpose was extended to include also the study of some subject of especial interest to the members. The subject chosen for the current year is the history of church development. The officers are a president and secretary, and membership is open to any student in school who may wish to join the club.

THE TREBLE CLEF CLUB is a double quartet of ladies' voices picked from the best in the School of Music, preference being given, when possible, to students of public-school music. The purpose of the club is the study of part songs and their artistic presentation. The instructor is Miss Strouse.

THE COLLEGE GIRLS' GLEE CLUB is open to all college girls whether registered in the Music Department or not. Two periods a week are de-

voted to the practice of two-, three-, and four-part choruses, chosen with the object of acquainting the girls with material suitable for use later in their own work as teachers. Public performances are given from time to time throughout the school year.

THE CHORUS consists of 150 members. The students enrolled receive college credit for their work. Prof. F. A. Beach is conductor. The organization had several social gatherings in the year.

THE ORCHESTRA has full instrumentation in the forty instruments played by students of the college department and a few Emporia people. The students enrolled in orchestra receive college credit for the work. The annual concert given in March is directed by Mr. George Keenan, the instructor in stringed instruments. The orchestra accompanies the chorus and the opera work of the school, plays, chapel and many social functions during the year. A high-school orchestra has been organized to train recruits for the larger orchestra, and a grade orchestra has been formed.

THE NORMAL BAND contains thirty instruments played by students who receive regular college credit for their work. The band plays at all athletic events and several social events during the year. The band gave its annual concert in Albert Taylor Hall, under the direction of Mr. M. C. Grady, teacher of wind instruments.

THE HIGH-SCHOOL GLEE CLUB consists of sixteen girls and sixteen boys. The club sang at chapel and at several social events during the year.

THE K. S. N. GLEE CLUB is composed of men who are interested. These men are chosen strictly on the competitive basis and receive no credit for their work. The home concert is given annually in Albert Taylor Hall.

A PLATO GROUP meets one or two afternoons each week for the purpose of reading the dialogues of Plato. The study begins with some of the earlier dialogues and proceeds later to the Republic.

THE GIRLS' PHYSICAL TRAINING CLUB is an organization open to all students majoring or minoring in the Physical Training department. The purpose of the club is to further the study of and promote the interest in physical education, to give the girls higher and broader ideals of their work, and to further their social activities. The club promises to be a real, live force in the school.

THE SPORTS AND PASTIMES ASSOCIATION is the only organization open to every girl in school. It was organized to promote girls' athletics by encouraging sports and gymnastics, thus drawing the students through this special interest into closer social union.

THE K CLUB. This club is composed of men who have won the honor "K" in athletics. Its purpose is to better the athletic interests of the school and attract men to the school in a legitimate way.

KELLOGG LIBRARY.

The Kellogg Library Building is described on another page, in connection with "Buildings and Grounds."

The library has 46,000 classified and catalogued volumes, 3,000 bound and catalogued pamphlets, and 15,500 unbound classified pamphlets. All material in the library is available, either through classification and filing or through the catalogue. The annual accessions average 3,000 volumes. More than 325 periodicals of educational and general interest are received and preserved. Kansas county and city newspapers are received regularly and are available to students. The library is open for use 75 hours each week; the average hourly attendance of readers is 100. The staff consists of eight trained library workers.

Some special features of the library are:

REFERENCE DEPARTMENT. An unusually strong equipment of up-to-date book tools—keys to all other books. In vertical file, instantly available by topic, are thousands of newspaper and magazine clippings, affording material not elsewhere available. Also in vertical file are reading and reference lists on several thousand topics, suggesting best sources of information. Government documents and pamphlets are systematically filed, indexed, and available. Educational documents, state and city reports and courses of study are received from all parts of the country, listed and classified. The files of bound periodicals in the magazine stack are unusually comprehensive.

SCHOOL DEPARTMENT. This is a model public-school library in selection, equipment, and atmosphere. It occupies three rooms on the first floor of the Kellogg Library. It has its own librarian and assistants, its own catalogue, and more than three thousand recommended books. Its collection of several thousand mounted pictures, filed by topics in vertical file, its post-card collection and its lantern-slide collection are in constant use. Its facilities are eagerly used by pupils of the Elementary Training School, practice and supervision teachers, and visiting teachers and parents.

ROOSEVELT HIGH SCHOOL LIBRARY. A branch of Kellogg Library was opened on the fourth floor of Plumb Memorial Hall in the winter of 1920 for special service to the Roosevelt High School. It is being developed and administered as a modern high-school library, with a trained and experienced high-school librarian in charge.

EXTENSION SERVICE. The library began its extension service in January, 1913. Books, pamphlets, and clippings are sent by post to responsible parties, for school debates, orations, and essays; for papers and addresses by teachers and school officers; for papers by club women; and for correspondence-study courses conducted by the School. This department also answers many questions on library organization, and the librarian and assistants make addresses or visit libraries for advisory purposes.

EXTENSION DIVISION.

All phases of extension work done by the Kansas State Normal are centralized in the Extension Division. The division consists of the following departments:

APPOINTMENT BUREAU.

This Bureau is managed jointly by the institution and the Alumni Association through a board of seven members. The registration in the bureau is eighteen hundred, and from this number candidates for every line of school work can be selected. Those enrolled are carefully catalogued and classified, so that recommendations may be quickly made. Information concerning candidates is in every case to be returned to the Bureau. The Appointment Bureau insures more certain placing of teachers at graduation and more rapid advancement of those in the field. It provides a systematic method for getting school boards and teachers together. It keeps on file complete and accurate reports as to the success of its teachers. It sends out teachers almost every week in the year.

CORRESPONDENCE-STUDY DEPARTMENT.

The State Normal School is doing a constantly increasing amount of work in correspondence study. Work by correspondence is offered in practically every department of instruction. A fee of $10 per year is required. This work is all outlined in a special catalogue, which may be had for the asking. This department enables students to make progress whether they can attend school or not.

In conjunction with the work in correspondence study provision is made for the organization of study groups, to be conducted by members of the Faculty. A number of such groups have been organized over the state. Those who complete satisfactorily the work in these groups are given credit which counts toward graduation just the same as work done here in residence. Several such groups are at work this year.

EXTENSION LECTURE DEPARTMENT

This department offers lectures and entertainments to the communities of Kansas. Every activity of the School is represented in the extension pamphlet issued by this department. Teachers' associations, parents' meetings, social centers, men's clubs, women's clubs and other organizations can select to advantage from the list of lectures and entertainments offered. Special attention is given high-school plays and public-speaking work in high school.

In coöperation with the Library, this department takes care of inquiries as to library helps, book lists, etc. It offers the advice of Faculty members in regard to building and equipment of school plants, methods of instruction, etc. Special effort is made to answer fully every inquiry that is received.

EXTENSION-STUDY CREDIT.

College credit for correspondence study and other forms of extension study will be granted only to students who have submitted to the Registrar sufficient work from an accredited high school, or from examination, to meet college entrance requirements, and have been admitted to college

work. Grades of other persons will be filed merely, and not entered on the record. They will be recorded, or transcribed, when this requirement is satisfied.

Not more than fifty per cent of the requirement for any certificate or diploma may be satisfied with credit earned in this way. Any amount of high-school work may be done by correspondence. This in no way operates to reduce residence requirements stated elsewhere.

DEPARTMENT OF VISUAL EDUCATION.

This department is under the supervision of a committee chosen because of its interest and experience in the promotion of visual education in the Kansas State Normal School and over the state of Kansas. Through the coöperation of the National Bureau of Commercial Economics and the industrial organizations of the country a valuable library of motion-picture films has been gathered. The department has a well-equipped laboratory for the manufacture of lantern slides, enlargements and transparencies. The already large collection of lantern slides is being increased constantly. Carefully classified collections of photographs, stereographs and prints are being made. This material, with descriptive lectures or syllabi, is sent out upon request, free of charge, to schools, churches, clubs and civic organizations.

In addition to the work in the field the department operates a motion-picture theater upon the campus and carries on extensive experiments in visual education in the various classes of the Training School, High School and Normal School.

BUREAU OF EDUCATIONAL MEASUREMENTS AND STANDARDS.

This bureau was established by the Board of Educational Administration for the purpose of assisting superintendents and teachers in applying measurements and standards in the public schools of the state. In fulfilling this function a large quantity of valuable data accumulates in the office of this bureau. These data are available to students for the study of educational problems.

RURAL SCHOOL BUREAU.

The Rural School Bureau is a new department added this year to the Extension Division. The bureau is in charge of a board of eight members, each of whom is intimately acquainted with some phase of the work in rural schools. Its chairman is the professor of rural-school administration. The board makes plans in the interest of rural schools and the clerical force of the division sees that they are carried out. Special helps of various kinds are being furnished to rural schools, and through cooperation with county superintendents and several hundred rural teachers plans for bettering the programs and teaching of various subjects are being tried out. This bureau promises to become one of the strongest departments of the division.

PUBLICITY.

The dissemination of all news of the School and all publications, such as its magazine, *Teaching*, and the various special bulletins, is provided by the Publicity Department, under the general direction of the Publicity Committee of the Faculty.

ALUMNI ORGANIZATIONS.

The Alumni Department takes care of all alumni meetings and records, publishes an alumni catalogue and news letter from time to time, manages the property of the association, and serves as general alumni headquarters every day in the year.

Inquiries concerning any of these phases of extension work should be addressed to Extension Division, Kansas State Normal, Emporia, Kansas.

PUBLICATIONS.

In addition to the General Catalogue published in March, the following publications are put out by the Kansas State Normal School:

TEACHING, a magazine published monthly, devoted to all phases of educational and teacher-training work. Six thousand copies of each edition are distributed to teachers and school officers of Kansas. Each issue is devoted to some special educational topic. The magazine is edited by Mr. H. E. Birdsong, of the English Department, and will be sent free of charge to any one in the state of Kansas.

SUMMER SCHOOL CATALOGUE, issued yearly, in January for the Summer School following. Catalogue sent upon request.

CORRESPONDENCE-STUDY CATALOGUE, issued each year by the Extension Division, contains full information concerning courses, fees, time, etc., in correspondence work. This catalogue is sent free to any one upon request.

EXTENSION CATALOGUE, issued annually by the Extension Division, contains full information regarding lectures, lyceum courses and special features of various kinds provided by the State Normal School.

MUSIC CATALOGUE, issued once a year by the Music School, and containing full information about instruction in public-school music, voice, piano, violin, harmony, theory, history of music, etc. Sent on request.

ALUMNI CATALOGUE, issued by the Extension Division, and containing register of alumni as well as other information concerning the school and the Alumni Association. May be had for the asking.

THE SUNFLOWER, the year-book of the School, published by the student body. Distributed through the Annual Staff.

SPECIAL BULLETINS, such as plays and games, school gardening, etc., are published from time to time.

THE STATE NORMAL BULLETIN, published weekly by the students through the Bulletin staff, elected each year from the student body.

CHAPEL.

Chapel exercises are held at 10, Monday and Friday.

CLASSES BEGINNING AT MIDDLE OF SECOND SEMESTER.

For the accommodation of teachers whose schools close late in March and who desire to enter the State Normal School at that time, classes have been arranged to begin at the middle of the second semester. College courses offered then are double courses, covering in a half semester with

double time the work done in the regular classes in a whole semester. High-school courses offered at that time are completed at the close of the summer term. In addition to these special classes properly qualified students will be admitted, in practically all departments, to the regular classes and receive credit as arranged with the department. By entering in April and continuing through the Summer Session a student may complete the work of one whole semester. A schedule containing a list of such courses will be published early in 1921.

STUDENTS' LOAN FUND.

The class of 1899 made a gift of $111.60 to be used as a fund for aiding students. The fund was put in the care of a board of trust composed of the president, vice president, and the head of the Department of Physics and Chemistry. Students who are within one year of graduation have preference in securing loans. When their needs have been met other students may secure loans in order of seniority. The plan proved to be satisfactory, and several other classes have added to the fund. Following is a statement of the fund to February 10, 1920:

GIFTS BY CLASSES.

Class of 1899	$111.60
Class of 1900	107.56
Class of 1901	141.65
Class of 1905	27.00
Class of 1908	235.00
Class of 1909	168.28
Class of 1910	197.90
Class of 1911	107.16
Class of 1912	79.50
Class of 1913	51.55
Class of 1914	75.00
Class of 1915	84.07
Special, 1916	1.00
Freshmen, 1916	7.20
Class of 1916	70.04
Total gifts to date	$1,464.51

Present worth of fund, January 21, 1919	$2,511.61
Present worth of fund, February 10, 1920	$2,653.48
Special Contributions	153.80

This report does not include interest due and unpaid February 10, 1920.

The making of loans is in the hands of the committee above mentioned, of which Prof. James W. Mayberry is treasurer. Students interested should inquire of him.

Certificates and Diplomas.

Formal application must be made at the Registrar's office for any certificate or diploma desired.

REGULAR CERTIFICATES AND DIPLOMAS.

GENERAL REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION.

The degree of Bachelor of Science in Education is conferred upon persons who are graduates of accredited high schools, or other preparatory schools of like standing, and who satisfy the following requirements:

LIBRARY LECTURES, *no credit.*

Required in the freshman year.

ENGLISH.

Rhetoric and Composition, 6 hours.

Three hours of rhetoric and composition must be taken in the freshman year.

All students will register for Rhetoric and Composition I the first or second semester of the freshman year. Those students who, within the first two weeks of the semester, convince the Faculty of the Department of English that they are able to do superior work in rhetoric and composition will be tentatively excused from the first three hours and permitted to undertake the work of the second three hours in Rhetoric and Composition II, Advanced Composition for Women, or Newspaper English. Such students who complete the second course satisfactorily will not be required to take the first course, but will be required to offer three hours elective credit.

Literature, 3 hours.

Special Work:

All students in the junior or senior year whose work in any department is weakened by poor English, or whose English is found to be notably defective, shall be reported at once by the instructor concerned to the head of the English Department, or to a committee of which he shall be chairman. Upon examination such students shall be assigned to regular English classes without credit until they are able to pass a proficiency text in the subject. No candidate will be recommended for a degree until his English is satisfactory.

PUBLIC SPEAKING OR EXPRESSION, 3 hours.

SOCIOLOGY, 3 hours.

LATIN OR MODERN LANGUAGE, 15 hours.

This requirement is reduced at the rate of five hours for each unit of high-school credit in foreign language, providing that a student may not have less than ten hours of college credit in any one language.

For example, a student offering Latin for college entrance and who takes up the study of French will be required to submit a minimum credit of ten hours of French.

HISTORY.

American History or Government, 3 hours.

Students offering less than one unit of American history or government for entrance will be required to take three hours of American history or government.

European History, 3 hours.

Students offering less than one unit of European history for college entrance will be required to take three hours of European history.

MATHEMATICS, 3 hours.

Students offering less than two units of mathematics for college entrance will be required to take three hours of college mathematics.

PHYSICAL SCIENCE (Physics or Chemistry), 5 hours.

Students who do not offer a unit of chemistry or a unit of physics for entrance will be required to take five hours of physics or chemistry in college.

BIOLOGICAL SCIENCE (Biology or Physiology), 5 hours.

Students offering less than one unit of biological science for entrance will be required to take five hours of biological science.

PROFESSIONAL REQUIREMENTS.

For students preparing to teach in high school, or to become superintendents, principals, or to take charge of educational research.

Elements of Psychology ..... 3 hours

Students who have had high-school psychology should take Elementary Educational Psychology.

High-school Administration, *or*..... 2 hours
Administration of Small Town and Rural High Schools ..... 3 hours
Educational Psychology ..... 3 hours
High-school Instruction ..... 3 hours
Supervised Teaching in Junior or Senior Division of the Roosevelt High School..... 4 hours

Teaching which has been used for credit in securing the life certificate cannot be counted for the degree.

Principles of Education..... 3 hours

For students preparing to teach in intermediate or grammar grades, or to become supervisors in these grades. The director of teacher training is the adviser for this group.

Elements of Psychology..... 3 hours

Students who have had high-school psychology should take Elementary Educational Psychology.

Elementary Instruction ..... 3 hours
Educational Measurements I..... 2 hours
Educational Psychology ..... 3 hours
Supervised Teaching ..... 6 hours

Teaching credit which has been used in securing the life certificate will not count for the degree.

Principles of Education..... 3 hours

For students preparing to teach in kindergarten or primary grades, or to become supervisors in the same. The heads of the primary grades and the kindergarten are advisers for this group.

Elements of Psychology..... 3 hours

Students who have had high-school psychology should take Elementary Educational Psychology.

Elementary Instruction ..... 3 hours
Educational Measurements I..... 2 hours
Child Psychology ..... 2 hours
Supervised Teaching ..... from 6 to 8 hours

Teaching credit which has been used in securing a life certificate or a special proficiency certificate cannot be counted for the degree.

Required of all students.

1. A *major* selected from the work of one department ..... 20 to 30 hours

See page 40 for major requirements of candidates for the B. S. degree in Education who are preparing to do educational research work, or to be superintendents or principals or to teach in the kindergarten or the primary grades.

2. A *minor* selected from the work of a department allied to the department from which the major is selected..... 15 hours

3. Sufficient *elective* credits that the full requirement of 120 hours, exclusive of the required work in physical training practice, may be satisfied.
4. Physical training practice (per semester for the freshman and sophomore years) ..... 1 hour

Regulating the Election of Courses.

1. The work of the junior and senior years must include a minimum of *forty* hours from courses designated as senior college subjects, *i. e.*, subjects numbered fifty or above.

2. No student having fewer than *thirty* hours of college credit shall be admitted to the senior college subjects. (This shall be interpreted to mean that when a department admits freshmen to a given course it must be ranked as a junior college course.)

3. At least *one-third* of the hours required for a major in any department must be senior college work.

4. See supervised teaching subject-matter prerequisites, introductory subjects and other professional requirements, page 135.

5. Any student of senior college rank who takes a course required in the freshman year is given but half the credit of this course.

6. Any student may not elect as credit for the degree more than nine hours of the professional requirements for the life certificate, special proficiency certificates, or special certificates, which are not also requirements for the B. S. degree in Education.

7. Not more than *ten* hours of supervised student teaching may be offered for the degree of Bachelor of Science in Education.

Majors.

Majors may be taken in the following departments and department groups. In case of department groups, the major may be taken in any one field of the group or combination which the student's adviser may deem wise.

I. Students should give attention as early as the sophomore year to the selection of a major for the B. S. degree in Education. (There is no major for the life certificate, or any certificate except the degree.) Students are required to file with the Registrar and the head of the major department not later than the opening of the junior year their selection of a major and minor. The consent of the President is necessary to change in the major subject.

II. A *major* shall consist of not less than *twenty* hours in some one department or department groups.

III. A *minor* shall consist of *fifteen* hours selected from the work of a department allied to the major department.

IV. Not more than *thirty-five* hours in any one department or department group may be counted toward graduation, except:

1. In Modern Languages *ten* additional hours of French, German, or Spanish may be counted.

2. In the Biological Science group or in the Physical Science group *ten* hours additional credit may be counted, provided this is prerequisite work in another field of the group.
3. In the English and Public-speaking group *ten* hours additional credit may be counted.

V. Not more than *twenty* hours in the departments of Psychology, School Administration, Rural-school Administration, or in any group of these departments, may be counted as a major for graduation.

VI. Students wishing to major in education are required to complete *twenty* hours in addition to the educational subjects required of all students for the degree. These subjects may be elected from any or all of the following departments: Psychology, School Administration, Rural-school Administration and certain educational subjects from the Department of Sociology and Economics.

In order that students may be assisted in choosing their educational majors, the following suggestions are made:

Students preparing to take charge of the educational research work in city schools or elsewhere should include the following subjects in their major:

Educational Measurements II	2 hours
Clinical Psychology or Abnormal Psychology, 2 or	3 hours
Child Psychology	2 hours
Psychology of Adolescence	3 hours
Vocational Psychology	2 hours
Educational Administration	3 hours
Educational Research	2 hours
	17 hours

Students preparing to become superintendents should include the following subjects in their major:

Educational Administration	3 hours
Junior High School	3 hours
Educational Measurements II	2 hours
Grade-school Mechanics	2 hours
	10 hours

Students preparing to become principals should include the following subjects in their major:

Educational Administration	3 hours
Junior High School	3 hours
Educational Measurements II	2 hours
	8 hours

Students preparing to become superintendents, supervisors, or principals of rural schools or small town schools should include the following subjects in their major:

Rural-school Instruction and Administration	5 hours
Rural-life Problems	3 hours
State and County School Administration	3 hours
Rural Economics	2 hours
Administration of Small Town and Rural High Schools	3 hours
	16 hours

Major requirements for candidates for degree B. S. in Education who are preparing to teach in the kindergarten.

Required:

Kindergarten Play Materials	2 hours
Kindergarten and Primary Handwork	3 hours
The Period of Infancy	3 hours
Primary Methods	4 hours
Kindergarten Program	3 hours
Kindergarten and Primary Music Methods	2 hours
Story Telling	3 hours
Educational Measurements I	2 hours
Practice Teaching in Primary Grades	2 hours

Elective, *sixteen* hours selected with the approval of the student's adviser, from the following:

Kindergarten Plays and Games	2 hours
Art:	
Free-hand Drawing I, 4 hours	2–7 hours
Free-hand Drawing II, 3 hours	2–7 hours
Art Appreciation, 3 hours	2–7 hours
Picture Study in Grades	2–7 hours
Children's Literature	3 hours
School and Personal Hygiene, *or* / Hygiene and Sanitation	3 hours
Oral English	3 hours
Music:	
* Sight Singing	2–4 hours
Piano	2–4 hours
Music Appreciation	2–4 hours
Science and Nature Study:	
Field Zoölogy, 2 hours	2–4 hours
Elementary Science, 2 hours	2–4 hours
History	3 hours
English Literature	2–4 hours
Ethics	2 hours
Sociology	3 hours
Home Economics	4 hours

Major requirements of candidates for the degree B. S. in Education who are preparing to teach in primary grades.

Required:

Primary Methods	4 hours
Industrial Art for Primary Teachers	5 hours
Music:	
* Sight Singing	2 hours
Kindergarten and Primary Music Methods	2 hours
Nature Study:	
Field Zoölogy	2 hours
Elementary Science	2 hours
School and Personal Hygiene, *or* / Hygiene and Sanitation	3 hours
Story Telling or Children's Literature	3 hours
Advanced Methods of Primary Instruction	3 hours
The Period of Infancy	3 hours
Educational Sociology	3 hours
History of Modern Education	3 hours
Kindergarten Plays and Games	2 hours

* May not apply as credit for the diploma conferring this degree.

Elective, *twelve* hours selected with the approval of the student's adviser, from the following:

Kindergarten Courses	9 hours
Oral English	3 hours
Drawing:	
Free-hand Drawing I, 4 hours	2–7 hours
Free-hand Drawing II, 3 hours	2–7 hours
Clay Modeling, 2 hours	2–7 hours
Art Appreciation, 3 hours	2–7 hours
Music:	
Piano	2–4 hours
Music Appreciation	2–4 hours
American or English History	3 hours
English:	
Shakespeare Comedies, 2 hours / Tennyson's Idylls of the King, 2 hours	2–4 hours
Ethics	2 hours
Sociology	3 hours
Geography	3 hours
Home Economics (Art or Science)	4 hours
Teaching of Elementary Mathematics	2 hours

Residence Requirements for All Degrees.

I. A minimum of two semesters, or one semester and one term (half semester), or three consecutive summer terms of residence, during which the student must earn twenty-four hours of credit, is required. These twenty-four hours must be included in the last thirty-two hours necessary for graduation.

II. Students who have made seventy-five hours in residence may be in residence only one semester or the Summer Term immediately prior to the granting of the degree.

III. In addition to satisfying the above residence requirement, students coming with advanced standing from other institutions must take in residence a minimum of four hours in their major subject and a minimum of two hours in their minor subject.

GENERAL REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN COMMERCE.

The degree of Bachelor of Science in Commerce is conferred upon persons who are graduates of accredited high schools, or other preparatory schools of like standing, and who satisfy the following requirements:

LIBRARY LECTURES, *no credit.*

Required in the freshman year.

ENGLISH.

Rhetoric and Composition, 6 hours.

Three hours rhetoric and composition must be taken in the freshman year. All students will register for Rhetoric and Composition I the first or second semester of the freshman year. Those students who, within the first two weeks of the semester, convince the Faculty of the Department of English that they are able to do superior work in rhetoric and composition will be tentatively excused from the first three hours and permitted to undertake the work of the second three hours. Such students who complete the second course satisfactorily in Rhetoric and Composition II, Advanced Composition for Women, or Newspaper English will not be required to take the first course, but will be required to offer three hours elective credit.

Literature, 3 hours.

Special work:

All students in the junior or senior year whose work in any department is weakened by poor English, or whose English is found to be notably defective, shall be reported at once by the instructor concerned to the head of the English Department, or to a committee of which he shall be chairman. Upon examination such students shall be assigned to regular English classes without credit until they are able to pass a proficiency test in the subject. No candidate will be recommended for the degree until his English is satisfactory.

PUBLIC SPEAKING OR EXPRESSION, 3 hours.

EDUCATION:

Elements of Psychology	3 hours

Students who have had psychology in high school take Elementary Educational Psychology.

Educational Psychology	3 hours
High-school Instruction	3 hours
Practice Teaching in High School	4 hours

COMMERCIAL COURSES:

Accounting (must include Advanced Accounting),	9 hours
Law	8 hours
Stenography	8 hours
Typewriting	3 hours
Office Practice and Procedure	2 hours
Office Management and Business Correspondence,	2 hours
Commercial Arithmetic	2 hours
Principles of Economics	3 hours
Business Organization	2 hours
Economic and Industrial Geography	3 hours
Money and Banking	2 hours
Public Finance	2 hours
Penmanship	2 hours

From the following list, *twelve* hours selected with the approval of the head of the department:

Accounting	5 hours
Salesmanship	2 hours
Stenography	2 hours
Typewriting	2 hours
Principles and Methods in Commercial Education,	2 hours
Commercial and Industrial History	3 hours
Geography of North America	4 hours
Geography of South America	3 hours
Geography of Eurasia	4 hours
International Law	3 hours
History of Latin America	2 hours
Spanish	10 hours
Vocational Psychology	2 hours

MINOR:

A *minor* of fifteen hours should be selected, with the approval of the head of the Department of Commerce, from the work of another department.

ELECTIVES:

Candidates for this degree are required to submit sufficient credit from the work of other departments that the total of work to his credit may be one hundred and twenty hours, exclusive of the required work in physical-training practice.

PHYSICAL-TRAINING PRACTICE (per semester for the freshman and sophomore years), 1 hour.

RESIDENCE REQUIREMENT for the degree of Bachelor of Science in Commerce, see page 45.

GENERAL REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN MUSIC.

The degree of Bachelor of Science in Music is conferred upon persons who are graduates of accredited high schools, or other preparatory schools of like standing, and who satisfy the following requirements:

LIBRARY LECTURES, *no credit.*

Required in freshman year.

ENGLISH.

Rhetoric and Composition, 6 hours.

Three hours of rhetoric and composition must be taken in the freshman year. All students will register for Rhetoric and Composition I the first or second semester of the freshman year. Those students who, within the first two weeks of the semester, convince the Faculty of the Department of English that they are able to do superior work in rhetoric and composition will be tentatively excused from the first three hours and permitted to undertake the work of the second three hours. Such students who complete the second course satisfactorily in Rhetoric and Composition II, Advanced Composition for Women, or Newspaper English, will not be required to take the first course, but will be required to offer three hours elective credit.

Literature, 3 hours.

Special Work:

All students in the junior or senior year whose work in any department is weakened by poor English, or whose English is found to be notably defective, shall be reported at once by the instructor concerned to the head of the English Department, or to a committee of which he shall be chairman. Upon examination such students shall be assigned to regular English classes without credit until they are able to pass a proficiency test in the subject. No candidate will be recommended for the degree until his English is satisfactory.

PUBLIC SPEAKING OR EXPRESSION, 3 hours.

MUSIC.

A requirement of sixty hours in music, as follows:

Solfeggio	6 hours
Theory and History of Music	12 hours
Applied Music	16 hours
Elective	26 hours

EDUCATION (including 4 hours practice teaching in high school), 24 hours.

MINOR.

A *minor* of fifteen hours should be selected from the work of one of the following departments:

English.
Physical Training.
Art.
Public Speaking and Expression.
Modern Languages.
Latin.
Mathematics.
Commerce.

ELECTIVES.

Candidates for this degree are required to submit sufficient credit from the work of other departments that the total of work to his credit may be one hundred and twenty hours, exclusive of the required credit in physical-training practice.

PHYSICAL-TRAINING PRACTICE (per semester for the freshman and sophomore years), 1 hour.

RESIDENCE REQUIREMENT for the degree of Bachelor of Science in Music, see page 45.

REQUIREMENTS FOR THE LIFE CERTIFICATE.

The life certificate is issued to persons applying for it who are graduates of accredited high schools or other preparatory schools of like standing, and who satisfy the following requirements:

The courses, excepting the methods courses in German and Latin, are open only to freshmen and sophomores. If taken by juniors or seniors only half of the credit indicated will be allowed.

It is required that applicants for any of these certificates are required:

1. To be in residence one semester or two summer terms.
2. To offer fifteen hours of residence credit.
3. To offer eight hours of residence credit earned within the year immediately preceding the issuing of the certificate.
4. To offer a minimum credit of sixty hours, not including the requirement of one hour per semester in physical training practice.

LIBRARY LECTURES, *no credit.*

Required in freshman year.

ENGLISH.

Rhetoric and Composition, 6 hours.

All students will register for Rhetoric and Composition I the first or second semester of the freshman year. Those students who, within the first two weeks of the semester, convince the Faculty of the Department of English that they are able to do superior work in rhetoric and composition will be tentatively excused from the first three hours and permitted to undertake the work of the second three hours. *Students who complete the second course satisfactorily* in Rhetoric and Composition II, Advanced Composition for Women or Newspaper English, will not be required to take the first course, but will be required to offer three hours elective credit.

English Literature or Public Speaking and Expression, 3 hours.

Special Work:

All students in the junior or senior year whose work in any department is weakened by poor English, or whose English is found to be notably defective, shall be reported at once by the instructor concerned to the head of the English Department, or to a committee of which he shall be chairman. Upon examination such students shall be assigned to regular English classes without credit until they are able to pass a proficiency test in the subject. No candidate will be recommended for a degree until his English is satisfactory.

ELEMENTS OF PSYCHOLOGY, 3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

EDUCATIONAL MEASUREMENTS I, 2 hours.

ELEMENTARY INSTRUCTION, or RURAL-SCHOOL INSTRUCTION, 3 hours.

PRACTICE TEACHING in the Elementary Training School, or Emporia Elementary Schools, 6 hours.

See practice teaching subject-matter prerequisites, introductory subjects and other professional requirements, page 135.

ELECTIVE, 37 hours.

PHYSICAL-TRAINING PRACTICE (per semester for the freshman and sophomore years), 1 hour.

Total (not including Physical-training Practice), 60 hours.

Residence Requirement for the Life Certificate.

A minimum of one semester or two terms of residence, during which the student must earn fifteen hours of credit, is required. Of this requirement eight hours must be earned *within the year* immediately preceding the issuing of the certificate. In addition to this requirement all students must submit the required physical-training practice credit.

SPECIAL CERTIFICATES.

Persons who intend to become applicants for the life certificate upon the completion of two years of college work should so plan their work that they may meet also the requirements for—

a. A special proficiency certificate, or

b. A special certificate to teach in the elementary school and high school.

The certificates for special proficiency are issued only in connection with the life certificate, and are in—

1. Kindergarten Teaching.
2. Primary Teaching.
3. Rural School Teaching.

Applicants for any of these certificates are required—

1. To be in residence one semester or two summer terms.
2. To offer fifteen hours of residence credit.
3. To offer eight hours of residence credit earned within the year immediately preceding the issuing of the certificate.
4. To offer a minimum credit of sixty hours, not including the requirement of one hour per semester in physical training practice.

FOR THE CERTIFICATE FOR SPECIAL PROFICIENCY IN KINDERGARTEN TEACHING AND LIFE CERTIFICATE.

Library Lectures, *no credit.*

Required in freshman year.

Rhetoric and Composition, 6 hours.

English Literature or Public Speaking and Expression, 3 hours.

The regulation governing work in English should be observed. (See page 48.)

Elements of Psychology, 3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

Elementary Instruction, 3 hours.

Physical-training Practice (per semester for the freshman and sophomore years), 1 hour.

Kindergarten Courses.

Required:

Story Telling	3 hours
Kindergarten Technics	2 hours
Kindergarten and Primary Handwork	3 hours
Kindergarten Theory	3 hours
Primary Methods	4 hours
Kindergarten Teaching	8 hours
Kindergarten Program	3 hours
Kindergarten and Primary Music Instruction	2 hours
Educational Measurements I	2 hours
Practice Teaching in Primary Grades	2 hours

Elective, *seventeen* hours selected with the approval of the student's adviser from the following:

Plays and Games	2 hours
Art:	
Free-hand Drawing I, 4 hours	2–7 hours
Picture Study in Grades, 2 hours	2–7 hours
Art Appreciation, 3 hours	2–7 hours
Children's Literature	3 hours
Child Psychology	2 hours
Story Telling	3 hours
School and Personal Hygiene, *or* / Hygiene and Sanitation	3 hours
Oral English	3 hours
Music:	
* Sight Singing	2–6 hours
Piano	2–6 hours
Music Appreciation	2–6 hours
Science and Nature Study:	
Field Zoölogy	2–8 hours
Elementary Science	2–8 hours
History	3 hours
English Literature	2 to 8 hours
Ethics	2 hours
Sociology	3 hours
Home Economics	4 hours
Total (not including credit in Physical-training Practice)	60 hours

FOR THE CERTIFICATE FOR SPECIAL PROFICIENCY IN PRIMARY TEACHING, AND THE LIFE CERTIFICATE.

Library Lectures, *no credit.*

Required in freshman year.

Rhetoric and Composition, 6 hours.

English Literature or Public Speaking and Expression, 3 hours.

The regulation governing work in English should be observed. (See page 48.)

Elements of Psychology, 3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

Elementary Instruction, 3 hours.

Educational Measurements I, 2 hours.

Physical-training Practice (per semester for the freshman and sophomore years), 1 hour.

Primary Courses.

Required:	
Primary Methods	4 hours
Child Psychology	2 hours
Industrial Art for Primary Teachers	5 hours
Music:	
* Sight Singing	2 hours
Kindergarten and Primary Music Instruction,	2 hours
Nature Study:	
Field Zoölogy	2 hours
Elementary Science	2 hours
Hygiene and Sanitation, *or* / School and Personal Hygiene	3 hours

* Does not apply as credit for diploma conferring the degree B. S. in Education.

* May not be submitted as credit for the degree of Bachelor of Science in Education.

Kindergarten Plays and Games..... 2 hours
Story Telling or Children's Literature..... 3 hours
Practice Teaching in Primary Grades..... 4 hours
(Prerequisites listed on page 135 should be noted.)

Elective, *twelve* hours selected with the approval of the student's adviser from the following:

Primary Teaching ..... 2 hours
Kindergarten Courses ..... 9 hours
Kindergarten Teaching ..... 8 hours
Kindergarten Plays and Games..... 2 hours
Oral English ..... 3 hours
Drawing:
Free-hand Drawing I, 4 hours..... 2–6 hours
Free-hand Drawing II, 3 hours..... 2–6 hours
Clay Modeling, 2 hours..... 2–6 hours
Art Appreciation, 3 hours..... 2–6 hours
Music:
Piano ..... 2–4 hours
Music Appreciation ..... 2–4 hours
American or English History..... 3 hours
English:
Shakespeare Comedies ..... 2–4 hours
Tennyson's Idylls of the King..... 2–4 hours
Ethics ..... 2 hours
Sociology ..... 3 hours
Geography ..... 3 hours
Home Economics (Art or Science)..... 4 hours
Teaching of Elementary Mathematics..... 2 hours
Total (not including Physical-training Practice) ..... 60 hours

FOR THE CERTIFICATE FOR SPECIAL PROFICIENCY IN RURAL-SCHOOL TEACHING, AND THE LIFE CERTIFICATE.

Library Lectures, *no credit.*
Required in freshman year.

Rhetoric and Composition, 6 hours.

English Literature or Public Speaking, 3 hours.
The regulation governing work in English should be observed. (See page 48.)

Public Speaking and Expression, 3 hours.

Elements of Psychology, 3 hours.
Students who have had psychology in high school will take Elementary Educational Psychology.

Rural-school Instruction, 3 hours.

Rural-school Administration, 2 hours.

Practice Teaching, 6 hours.
(Prerequisites listed on page 135 should be noted.)

Physical-training practice (per semester for the freshman and sophomore years), 1 hour.

Required:

Teaching of Elementary Mathematics..... 2 hours
Economic and Industrial Geography..... 3 hours
Elementary Science ..... 2 hours
Rural-life Problems ..... 3 hours
Industrial Art for Rural-school Teachers..... 3 hours
Primary Methods ..... 4 hours
Child Psychology ..... 2 hours
Agriculture ..... 4 hours
Farm Accounting ..... 2 hours

Elective, *twelve* hours selected with the approval of the student's adviser from the following group:

Arithmetic	4 hours
Nature Study	2 hours
Manual Training or Home Economics	4 hours
Bacteriology	3 hours
Rural-school Music	3 hours
Hygiene and Sanitation	3 hours
Rural Economics	2 hours
Chemistry of Everyday Life	3 hours
State and County School Administration	3 hours
History, American or European	3 hours
Story Telling	3 hours
Public Speaking	3 hours
Economic and Industrial Geography	3 hours
Total (not including Physical-training Practice)	60 hours

SPECIAL ELEMENTARY SCHOOL AND HIGH-SCHOOL CERTIFICATES.

Section 8875, General Statutes of 1915, provides that:

"Each of said institutions [Kansas State Normal School, State Manual Training Normal School, and the Fort Hays Kansas Normal School] shall have power to issue certificates to teach Manual Training, Domestic Science, Agriculture, Commercial Subjects, Drawing, Music, or other occupational subjects, upon the completion of such course of study as may be prescribed by the Faculty of said institutions and approved by the State Board of Administration."

In accordance with this act of the legislature, the Faculty of this institution has provided for the following special certificates to be issued for a period of three years and renewable for a like period upon the completion of thirty additional hours of work.

These certificates may be issued in connection with the life certificate, or not, as is desired. Students seeking any special certificate should select courses under the direction of the head of the department.

It is required that applicants for any of these certificates are required—

1. To be in residence one semester or two summer terms.
2. To offer fifteen hours of residence credit.
3. To offer eight hours of residence credit earned within the year immediately preceding the issuing of the certificate.
4. To offer a minimum credit of sixty hours, not including the requirement of one hour per semester in physical training practice.

FOR SPECIAL CERTIFICATE TO TEACH AGRICULTURE IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Library Lectures, *no credit.*

Required in freshman year.

Rhetoric and Composition	6 hours
English Literature or Public Speaking	3 hours

The regulation governing work in English should be observed. (See page 48.)

Chemistry	5 hours
Biology	2 hours

Farm Carpentry ..... 4 hours
Physical Training Practice (each semester, for the freshman and sophomore years) ..... 1 hour

EDUCATION:

Elements of Psychology ..... 3 hours
Students who have had psychology in high school will take Elementary Educational Psychology.
Elementary Instruction or Rural-school Instruction ..... 2 hours
Educational Measurements I ..... 2 hours
Agronomy ..... 4 hours
Animal Husbandry ..... 4 hours
Farm Management ..... 4 hours
Horticulture and Forestry ..... 4 hours
School Gardening and Landscape Art ..... 2 hours
Soils ..... 2 hours
Feeds and Feeding ..... 2 hours

Addenda

To these requirements there should be added the following courses in

COMMERCE:

Accounting ..... 6 or 8 hours
Business Law I ..... 3 hours
Stenography ..... 8 or 10 hours
Typewriting ..... 3 hours
Office Practice and Procedure ..... 2 hours
Penmanship ..... 2 hours
Commercial Arithmetic ..... 2 hours
Practice Teaching ..... 6 hours
Total (not including Physical-training Practice) ..... 60 hours

Students who have had psychology in high school will take Elementary Educational Psychology.
Elementary Instruction or Rural-school Instruction ..... 3 hours
Educational Measurements I ..... 2 hours

FOR SPECIAL CERTIFICATE TO TEACH DRAWING IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Library Lectures, *no credit.*
Required in freshman year.
Rhetoric and Composition ..... 6 hours
Oral English ..... 3 hours
The general regulation governing work in English should be observed. (See page 48.)
Sewing and Textiles ..... 5 hours
History of Greece ..... 3 hours
European History during the Middle Ages ..... 3 hours
Physical-training Practice (each semester) ..... 1 hour

Elective, *twelve* hours selected with the approval of the student's adviser from the following group:

Arithmetic	4 hours
Nature Study	2 hours
Manual Training or Home Economics	4 hours
Bacteriology	3 hours
Rural-school Music	3 hours
Hygiene and Sanitation	3 hours
Rural Economics	2 hours
Chemistry of Everyday Life	3 hours
State and County School Administration	3 hours
History, American or European	3 hours
Story Telling	3 hours
Public Speaking	3 hours
Economic and Industrial Geography	3 hours
Total (not including Physical-training Practice)	60 hours

SPECIAL REQUIREMENTS

1. To be in residence one semester or two summer terms.
2. To offer fifteen hours of residence credit.
3. To offer eight hours of residence credit earned within the year immediately preceding the issuing of the certificate.
4. To offer a minimum credit of sixty hours, not including the requirement of one hour per semester in physical training practice.

FOR SPECIAL CERTIFICATE TO TEACH AGRICULTURE IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Library Lectures, *no credit.*
Required in freshman year.

Rhetoric and Composition	6 hours
English Literature or Public Speaking	3 hours

The regulation governing work in English should be observed. (See page 48.)

Chemistry	5 hours
Biology	2 hours

Farm Carpentry ..... 4 hours
Physical Training Practice (each semester, for the freshman and sophomore years) ..... 1 hour

EDUCATION:

Elements of Psychology ..... 3 hours
Students who have had psychology in high school will take Elementary Educational Psychology.
Elementary Instruction or Rural-school Instruction ..... 2 hours
Educational Measurements I ..... 2 hours
Agronomy ..... 4 hours
Animal Husbandry ..... 4 hours
Farm Management ..... 4 hours
Horticulture and Forestry ..... 4 hours
School Gardening and Landscape Art ..... 2 hours
Soils ..... 2 hours
Feeds and Feeding ..... 2 hours
Dairying ..... 2 hours
Practice Teaching ..... 6 hours
Total (not including Physical-training Practice) ..... 60 hours

FOR SPECIAL CERTIFICATE TO TEACH COMMERCE IN THE ELEMENTARY SCHOOL AND IN HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Library Lectures, *no credit.*
Required in freshman year.
Rhetoric and Composition ..... 6 hours
English Literature or Public Speaking ..... 3 hours
The general regulation governing work in English should be observed. (See page 48.)
Principles of Economics ..... 3 hours
Economic and Industrial Geography ..... 3 hours
Physical Training Practice (each semester) ..... 1 hour

UCATION:

Elements of Psychology ..... 3 hours
Students who have had psychology in high school will take Elementary Educational Psychology.
Elementary Instruction or Rural-school Instruction ..... 3 hours
Educational Measurements I ..... 2 hours

FOR SPECIAL CERTIFICATE TO TEACH DRAWING IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Library Lectures, *no credit.*
Required in freshman year.
Rhetoric and Composition ..... 6 hours
Oral English ..... 3 hours
The general regulation governing work in English should be observed. (See page 48.)
Sewing and Textiles ..... 5 hours
History of Greece ..... 3 hours
European History during the Middle Ages ..... 3 hours
Physical-training Practice (each semester) ..... 1 hour

EDUCATION:

Elements of Psychology	3 hours
Students who have had psychology in high school will take Elementary Educational Psychology.	
Elementary Instruction or Rural-school Instruction	3 hours
Educational Measurements I	2 hours

DRAWING AND INDUSTRIAL ART:

Free-hand Drawing I	4 hours
Free-hand Drawing II	5 hours
Industrial Art for Primary Teachers	5 hours
Industrial Art for Intermediate Teachers	2 hours
Blackboard Drawing	2 hours
Clay Modeling	2 hours
Raffia Basketry	2 hours
Reed Basketry	2 hours
Advanced Study of Light and Dark	4 hours
Advanced Study of Color	4 hours
Practice Teaching	6 hours
Total (not including Physical-training Practice)	61 hours

FOR SPECIAL CERTIFICATE TO TEACH HOME ECONOMICS IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Library Lectures, *no credit.*	
Required in the freshman year.	
Rhetoric and Composition	6 hours
English Literature or Fundamentals for Expression	3 hours
The general regulation governing work in English should be observed. (See page 48.)	
Essentials of Chemistry	5 hours
Free-hand Drawing I	4 hours
Free-hand Drawing II	3 hours
Household Bacteriology	3 hours
Physical-training Practice (each semester)	1 hour
Elective	1 hour

EDUCATION:

Elements of Psychology	3 hours
Students who have had psychology in high school will take Elementary Educational Psychology.	
Practice Teaching	2 hours
Elementary Instruction or Rural-school Instruction	3 hours
Educational Measurements I	2 hours

HOME ECONOMICS:

Foods I	5 hours
Household Management	5 hours
Sewing and Textiles	5 hours
Drafting and Design	4 hours
Applied Costume Design	4 hours
House Sanitation and Construction	2 hours
Practice Teaching	4 hours
Total (not including Physical-training Practice)	60 hours

FOR SPECIAL CERTIFICATE TO TEACH MANUAL TRAINING IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Library Lectures, *no credit.*
Required in the freshman year.

Rhetoric and Composition	6 hours
English Literature or Fundamentals of Expression	3 hours

The general regulation governing work in English should be observed. (See page 48.)

Free-hand Drawing I	4 hours
Physical-training Practice (each semester)	1 hour

EDUCATION:

Elements of Psychology	3 hours

Students who have had psychology in high school will take Elementary Educational Psychology.

Elementary Instruction or Rural-school Instruction	3 hours
Educational Measurements I	2 hours
Practice Teaching	2 hours

MANUAL TRAINING:

Mechanical Drawing	4 hours
Woodworking	4 hours
Farm Carpentry	4 hours
Mathematics (Shop Problems)	3 hours
Joinery and Cabinetmaking	4 hours
Furniture Construction	4 hours
Wood Turning	4 hours
Theory and Practice	2 hours
Practice Teaching	4 hours
Wood Finishing	2 hours
Total (not including Physical-training Practice)	60 hours

FOR SPECIAL CERTIFICATE TO TEACH MUSIC IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Library Lectures, *no credit.*
Required in the freshman year.

Rhetoric and Composition	6 hours
Public Speaking or English Literature	3 hours

The general regulation governing the work in English should be observed. (See page 48.)

Elements of Psychology	3 hours

Students who have had psychology in high school should take Elementary Educational Psychology.

Elementary Instruction or Rural-school Instruction	3 hours
Educational Measurements I	2 hours
Kindergarten and Primary Music Instruction	2 hours
Grades and Junior High-school Music Instruction,	2 hours
Elective	8 hours
Practice Teaching	2 hours
Physical-training Practice (per semester)	1 hour

MUSIC:

Sight Singing and Solfeggio ..... 4 hours

Harmony, Theory and History:

Elementary Harmony I and Ear Training..... 2 hours
Harmony II ..... 2 hours
Intermediate Harmony ..... 2 hours
History and Appreciation I..... 2 hours
History and Appreciation II..... 2 hours
Ensemble Practice ..... 2 hours
Community Music and Conducting I..... 1 hour

Applied Music:

Voice—Intermediate and Certificate Years..... 4 hours
Piano—Intermediate and Certificate Years; one semester Accompanying ..... 4 hours

Practice Teaching ..... 4 hours
Total (not including Physical-training Practice) ..... 60 hours

Sight singing and study in voice or piano are desirable prerequisites in the case of students who aim to secure this certificate in two years. For students who wish to supervise music in the grades one year's successful teaching experience is essential.

FOR SPECIAL CERTIFICATE TO TEACH PHYSICAL TRAINING IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

(For work in men's department.)

ACADEMIC:

Library Lectures, *no credit.*
Required in the freshman year.

Rhetoric and Composition..... 6 hours
English Literature or Public Speaking..... 3 hours
The general regulation governing the work in English should be observed. (See page 48.)

Histology ..... 2 hours
General Sociology ..... 3 hours
Social Psychology ..... 2 hours
Child Psychology ..... 2 hours

EDUCATION:

Elements of Psychology..... 3 hours
Students who have had psychology in high school should take Elementary Educational Psychology.

Elementary Instruction or Rural-school Instruction ..... 3 hours
Educational Measurements I..... 2 hours
Practice Teaching ..... 2 hours

PHYSICAL TRAINING:

Anatomy ..... 5 hours
Advanced Physiology ..... 3 hours
Playground Supervision ..... 3 hours
History of Physical Education..... 2 hours
Theory of Coaching..... 3 hours
Applied Anatomy ..... 2 hours

Anthropometry	1 hour
General Technique (Methods in Physical Training)	2 hours
Physiology of Exercise	3 hours
Elective	3 hours
Physical-training Practice (each semester)	1 hour
Practice Teaching	4 hours
Total (not including Physical-training Practice)	60 hours

FOR SPECIAL CERTIFICATE TO TEACH PHYSICAL TRAINING IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

(For work in women's department.)

ACADEMIC:

Library Lectures, *no credit.*

Required in the freshman year.

Rhetoric and Composition	6 hours

The general regulation governing the work in English should be observed. (See page 48.)

Story Telling	3 hours
Fundamentals of Expression	3 hours
Physiology	3 hours
Plays and Games	2 hours
Handwork	2 hours
Kindergarten	
Hygiene and Sanitation	4 hours
Elective	3 hours

EDUCATION:

Elements of Psychology	3 hours

Students who have had psychology in high school will take Elementary Educational Psychology.

Elementary Instruction or Rural-school Instruction	3 hours
Educational Measurements I	2 hours
Child Psychology	2 hours
Practice Teaching	2 hours

PHYSICAL TRAINING:

History of Physical Education	2 hours
Playground Supervision and Instruction	3 hours
Anatomy	5 hours
Applied Anatomy	2 hours
Kinesiology	3 hours
Practice Teaching	4 hours
Physical-training Practice (each semester)	1 hour
Methods of Teaching and Coaching in Physical Training	3 hours
Total (not including Physical-training Practice)	60 hours

A SPECIAL CERTIFICATE WITHOUT THE LIFE CERTIFICATE.

Special certificates in Agriculture, Commerce, Drawing, Home Economics, Manual Training, Music, or Physical Training as indicated in these statements.

Residence requirement, one semester or two summer terms, with credit of not less than fifteen hours (not including Physical-training

Practice) eight hours of which (not including Physical-training Practice) must be earned in the session immediately preceding the issuing of the certificate.

Library Lectures, *no credit.*
Required in the freshman year.

Rhetoric and Composition..... 6 hours
The general regulation governing the work in English should be observed. (See page 48.)

EDUCATION:

Elements of Psychology..... 3 hours
Students who have had psychology in high school will take Elementary Educational Psychology.

Elementary Instruction or Rural-school Instruction ..... 3 hours
Occupational (for example, Agriculture).... 24–28 hours
Practice Teaching in occupational subject..... 6 hours
Elective, under direction of head of department in which special certificate is desired..... 14–18 hours
Total (not including Physical-training Practice) ..... 60 hours
Physical-training Practice, each semester..... 1 hour

TWO SPECIAL CERTIFICATES WITHOUT THE LIFE CERTIFICATE.

Two special certificates without the life certificate may be obtained in five semesters, or four semesters and two summer terms.

Residence requirement, one semester or two summer terms, with credit of not less than fifteen hours (not including Physical-training Practice) eight hours of which (not including Physical-trainng Practice) must be earned in the session immediately preceding the issuing of the certificate.

Library Lectures, *no credit.*
Required in the freshman year.

Rhetoric and Composition..... 6 hours
The regulation governing work in English should be observed. (See page 48.)

EDUCATION:

Elements of Psychology..... 3 hours
Students who have had psychology in high school will take Elementary Educational Psychology.

Occupational, for first certificate (for example, Agriculture) ..... 28 hours
Occupational, for second certificate (for example, Manual Training ..... 24–28 hours
Practice Teaching, for each certificate, 3 hours... 6 hours
Elective ..... 1–9 hours
Total (not including Physical-training Practice) ..... 75 hours

Physical-training Practice, each semester..... 1 hour

Two special certificates and the life certificate may be obtained in five semesters or four semesters and two summer terms.

Residence requirement of one semester or two summer terms, with credit of not less than fifteen hours (not including Physical-training

Practice), eight hours of which (not including Physical-training Practice) must be earned in the session immediately preceding the issuing of the certificate.

The requirements are as follows:

Library Lectures, *no credit.*
Required in the freshman year.

Rhetoric and Composition..... 6 hours
The general regulation governing work in English should be observed. (See page 48.)

English Literature or Public Speaking..... 3 hours

EDUCATION:

Elements of Psychology..... 3 hours
Students who have had psychology in high school will take Elementary Educational Psychology.

Elementary Instruction or Rural-school Instruction ..... 3 hours
Educational Measurements I..... 2 hours
Occupational, for first certificate..... 24 hours
Occupational, for second certificate..... 24 hours
Practice Teaching, for each certificate, 3 hours.. 6 hours
Elective ..... 4 hours
Total (not including Physical-training Practice) ..... 75 hours
Physical-training Practice, each semester..... 1 hour

THREE-YEAR STATE CERTIFICATE.

This certificate is given to persons—

1. Who are at the time of entrance graduates of accredited high schools.
2. Who submit college credit of thirty semester hours, as outlined below, in addition to one hour credit in Physical-training Practice for each semester spent in residence.
3. Who have been in residence one semester.
4. Who earn fifteen hours credit in addition to required credit in Physical-training Practice.

Of the fifteen hours of residence credit at least eight hours must be earned in the session immediately preceding the issuing of the certificate.

High-school exemptions are allowed in these requirements, excepting in English, methods of instruction, and physical training. Persons claiming exemption from any requirement should submit not less than one-half year's high-school work in the subject where exemption is desired.

The requirements are as follows:

Library Lectures, *no credit.*
Required in the first semester.

Rhetoric and Composition I..... 3 hours
The regulation governing work in English should be observed. (See page 48.)

Elements of Psychology..... 3 hours
Students who have had psychology in high school will take Elementary Educational Psychology.

Elementary Instruction or Rural-school Instruction		3 hours
Advanced Arithmetic		4 hours
Geography		3 hours
American History or Government		3 hours
Physiology		3 hours
Music	4 hours	4 hours
Drawing	4 hours	
Home Economics	4 hours	
Manual Training	4 hours	
Commerce:		
Penmanship	2 hours	
Bookkeeping	3 hours	

The full requirement of four hours should be satisfied in one department.

Elective	4 hours
Physical-training Practice (each semester)	1 hour
Total (not including Physical-training Practice)	30 hours

ONE-YEAR STATE CERTIFICATE.

This certificate is issued any person—

1. Of high-school rank who submits sixteen units of credit in specified courses from the Roosevelt High School.
   A student entering the Roosevelt High School from another high school must be in residence one semester or two summer terms and submit a minimum of four units of credit, the requirement being sixteen units of credit in specified courses.
2. Of college rank who submit fifteen hours of residence credit in college courses in which high-school work does not meet the requirement in addition to the requirement in Physical-training Practice.
   Of this requirement of fifteen hours not less than eight hours, not including the Physical-training Practice requirement, must be earned in the session immediately preceding the issuing of the certificate.

An outline of the requirements for this certificate may be found on page 48.

A *special regulation* provides that this certificate be issued to any person—

1. Who is at the time of entrance a graduate of an accredited high school.
2. Who does eight and one-half hours of *residence* work in the summer term immediately preceding the issuing of the certificate.
3. That no person may be an applicant for more than a third certificate of this grade.

COLLEGE COURSES.

For purposes of classification of College courses the four years' work is divided into Junior College and Senior College. The work of the freshman and sophomore years makes up the Junior College; that of the junior and senior years, the Senior College.

No student having less than thirty hours credit may be admitted to Senior College courses. This will be construed to mean that when any department head admits freshmen to Senior College courses, these courses are reduced to the rank of Junior College courses.

Courses of Senior College grade are open to students in the Junior College only if these courses are required for a special certificate.

Courses of Junior College grade listed in this catalogue bear numbers from 1 to 49, inclusive; courses of Senior College grade bear numbers from 50 to 99, inclusive.

No Junior College course will be offered unless registered for by twelve students; no Senior College course unless registered for by seven students.

No student having less than thirty hours of college credit in Junior College courses may be admitted to a Senior College course. (This is to be interpreted to mean that when a department admits freshmen to a given course of Senior College rank this course must be ranked as a Junior College course.)

All candidates for a diploma conferring a degree must submit forty hours of Senior College credit.

At least one-third of the credit required for a major in any department shall be of Senior College grade.

A Senior College student who takes any course required in the freshman year is given only half of the credit of the course.

Agriculture.

Professor PHIPPS.
Instructor CLARKE.
Instructor WOOSTER.

A special certificate to teach agriculture in the elementary school and high school is issued. For requirements see page 52.

But half of the four-hour courses is given in the Summer Term.

1.—AGRONOMY. *Four hours credit.*

Summer Term, and Each Semester.

This is a general course in the study of field crops; grain judging; crop improvement; crop rotations, crop and soil management; marketing and storage of grains; uses of grains, etc. This course forms the basis of the teaching of elementary agriculture.

2.—ANIMAL HUSBANDRY. *Four hours credit.*

Summer Term, and Each Semester.

This is a general course in the study of farm animals. It covers

the types and breeds of farm animals; feeding; care and management of herds; live stock improvement; judging of common breeds; inspection trip to near-by barns; common diseases: their prevention and control. This course forms the basis of the teaching of high-school animal husbandry work.

3.—DAIRYING. *Two hours credit.*

Summer Term, and Each Semester.

This is a general course in dairying, and covers the field that should be developed in teaching high-school dairying. It includes a study of the breeds of dairy cattle; judging, care and management of dairy herds; the production of clean milk and cream; the by-products of milk; state and United States dairy laws, etc. A large part of the time is spent in laboratory work with dairy products, dairy machinery, and dairy inspection.

4.—FEEDS AND FEEDING. *Two hours credit.*

Second Semester.

Prerequisite, Animal Husbandry. This course includes a study of plant growth and animal nutrition; feeding standards and rations; feeding stuffs; manurial values of feeding stuffs; principles of feeding farm animals; and general problems in animal production.

5.—HORTICULTURE AND FORESTRY. *Four hours credit.*

Second Semester.

This course includes a study of large and small fruits; vegetables; care and management of orchards; sprays and spraying; pruning; diseases, their prevention and control, etc. A brief study of forestry, farm woodlots; building materials, posts, etc; and the preservation of wooden building materials.

6.—SCHOOL AND HOME GARDENING. *One hour credit.*

Summer Term, and Each Semester.

A general course in school and home gardening. City gardening and garden clubs are studied. Students are assigned gardens in the city of Emporia to supervise, and practical experience is gained in this way. Laboratory work is done with the model gardens and campus, under direction of Mr. Phipps.

7.—RURAL-SCHOOL AGRICULTURE. *Two hours credit.*

Summer Term, and second half of Second Semester.

This course is designed for rural-school teachers. It covers the whole field of rural-school agriculture, school and home projects in agriculture, and school extension work in agriculture. All rural-school teachers desiring a general course in agriculture should choose this one.

50.—SOILS. *Three hours credit.*

Summer Term, and Each Semester.

A general course in soils, their properties and management. It includes a study of soil types and their improvement. A large part of the time is spent in laboratory work in exercises and experiments with soils.

52.—FARM MANAGEMENT. *Four hours credit.*

First Semester.

Prerequisite, major work in agriculture. This course includes a study of types of farming; kinds of farming; crop and live stock problems in farming; managerial problems in farming; farm capital; farm labor; systems of farm rental; farm equipment; farm

layout; problems in marketing; farm accounting; choice of a farm region, and choice of the farm. An advanced course for major students.

53.—LANDSCAPING. *One hour credit.*

On demand.

Prerequisite, School and Home Gardening. This course includes a study of the arrangements of trees, shrubs, flowers, etc., on school, home, and public grounds, and the combinations of plants for best landscape effect. Designing school and home grounds and landscape plans form the principal lines of work in this course. For students majoring in agriculture.

Art.

Professor GRIDLEY.
Instructor ECKDALL.

A special certificate to teach drawing in the elementary school and high school is issued. For requirements see page 53.

1.—FREE-HAND DRAWING. *Four hours credit.*

Free-hand outline drawing. Principles of perspective; elementary composition, including decorative rendering in outline, flowers, landscape and still-life.

2.—INDUSTRIAL ART FOR PRIMARY TEACHERS. *Five hours credit.*

Elementary free-hand drawing, methods of using watercolor, and colored crayons, design, blackboard illustration, weaving, modeling, paper-cutting and lettering.

3.—FREE-HAND DRAWING II. *Five hours credit.*

Prerequisite, course 1. Free-hand mass drawing in charcoal and watercolor. Principles and practice of design. Problems involving the principles of rythm, balance and schemes developed and original compositions in landscape, still-life and nature forms, rendered with the brush in watercolor and tempera, also, in colored crayon and paper cutting.

10.—INDUSTRIAL ART FOR INTERMEDIATE TEACHERS. *Two hours credit.*

Prerequisite, course 1. Problems adapted to children from the fourth to the sixth grade involving design, the use of watercolor, colored crayons, simple color harmonies, modeling, weaving, etc.

11.—INDUSTRIAL ART FOR HIGH-SCHOOL TEACHERS. *Three hours credit.*

Prerequisite, course 3. Problems similar to those given in course 10, but adapted to high-school students, also, instruction and practice in applying designs to the processes of silversmithing, leather tooling, etc.

12.—INDUSTRIAL ART FOR RURAL TEACHERS. *Three hours credit.*

Problems in weaving, paper cutting, colored crayons, etc.

13.—BLACKBOARD DRAWING. *Two hours credit.*

Prerequisite, course 1. Practice in blackboard drawing using chalk and charcoal. The purpose of the course is to give facility with the chalk for general illustrative purposes in the class room.

14.—CLAY MODELING I. *Two hours credit.*

Problems suitable for the lower grades.

15.—Clay Modeling II. *Two hours credit.*
Advanced pottery problems and modeling from the cast.

16.—Raffia Basketry. *Two hours credit.*
Instruction in weaving raffia mats, baskets, trays, etc.

17.—Reed Basketry. *Two hours credit.*
Instruction in reed weaving.

20.—Picture Study in the Grades. *Two hours credit.*
Methods of interesting children in good pictures.

51.—Advanced Study of Light and Dark Values. *Two hours credit*
Prerequisite, course 3. Advanced problems in composition rendered with charcoal and brush in dark and light. Still-life, nature and landscape forms.

52.—Advanced Study of Color Values and Harmonies.
Two hours credit.
Prerequisite, course 3. Advanced problems in color harmonies and composition, rendered in watercolor, still-life, landscape, flowers, etc.

55.—Interior Decoration. *Two hours credit.*
Prerequisite, course 3. Fundamental principles regarding the interior arrangement of the home and its decoration. The study of furniture and the choice of it for the home. The study of color in its relation to walls, pictures, draperies and floor coverings. Elevations of walls showing spacings, color schemes, draperies, placing of furniture, etc., are designed and drawn in color by the students.

62.—Art Appreciation. *Three hours credit.*
A study of art with reference to recognized principles as applied to architecture, sculpture and painting.

Manual Art.

Professor Braucher.
Instructor ————.

The courses in Manual Training are outlined with the purpose of giving all teachers who can avail themselves of the opportunity a thorough general knowledge of the subject as used in our public schools as a means of general education. The courses are elective and open to all students who may wish to prepare for teaching handwork in schools. For the purposes of superintendents and principals, and candidates for the Certificate of Special Proficiency in Rural-school Teaching, the general courses may be modified to meet the particular needs of the individuals electing them. Students majoring in agriculture, physics, or mathematics may also have the general courses modified to meet their particular needs. The rapid reorganization of thought and practice in connection with trade and vocational education is making a great change in the requirements of persons contemplating teaching in courses in Manual Arts, adding particularly a considerable amount of shop or trade experience. Students preparing for positions under the Smith-Hughes act relating to state and Federal aid will find it greatly to their advantage

to have had one or more years of actual experience in the trade or industry which he seeks to teach. After September 1, 1918, therefore, students enrolling in the courses in this department will be expected to have had or to secure during or after the period of instruction an increasing amount of actual trade or shop experience, up to a maximum of three years, after September 1, 1920. Those preparing for the certificate without this experience will find opportunities for future employment greatly reduced by such lack of experience. The courses in drawing and woodwork are arranged in their order of sequence, and should be taken in their regular order unless special reasons show a need for changing it.

A special certificate to teach Manual Training in the elementary school and in high school is issued. For requirement for this certificate. See page 55.

But half of the four-hour courses is given in the Summer Term.

1.—MECHANICAL DRAWING. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisite, plane geometry. A course in the elements of mechanical drawing, beginning with the geometrical constructions and dealing with orthographic, isometric and cabinet projections, surface developments, intersections, shadows, etc. Working drawings are required to give training in the application of mechanical drawing to accurate expression in the industries. An effort is made to get practical results, while at the same time giving as much of the theoretical principles as the time will permit. Supplies, $2.50 per semester. (Braucher.)

2.—WOODWORKING. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 1. A course in elementary woodworking for mature students who have some ability and training in the use of woodworking tools, but have not applied this skill to preparation for manual training. The work at the bench will include exercises in designing and making problems suited to manual training for children in the grades, to give a knowledge of work suitable for the beginner. The course in woodworking is adapted to the needs of rural-school teachers when desired. Deposit for supplies, $2 to $5.

4.—FARM CARPENTRY. *Four hours credit.*

Summer Term, and Each Semester.

A course in the elementary principles and practices in building construction, involving framing, bracing, strength and combination of materials to withstand strains and carry loads. Careful study of the principles and uses of the steel square, with exercises in typical application, in laying out rafters, braces, etc. (Braucher.)

5.—SHOP MATHEMATICS. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, high-school mathematics. A course in the application of arithmetic and higher mathematics to shop and other construction problems. (Braucher.)

9.—JOINERY AND CABINETMAKING. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisite, courses 1 and 2. A course in advanced woodworking, dealing with more extensive problems in wood construction in

which a large use is made of joints and panels. Problems requiring student initiative and adaptation will be assigned, involving practical applications of constructive design and the selection of appropriate principles of construction. Deposit for supplies, $3 to $6.

10.—Wood Turning. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisite, sixteen hours manual training. A course in wood turning, beginning with elementary exercises in spindle turning, with applications. Some problems in face-plate and chuck work will be given, together with as wide application of the work to practical construction as time will permit. Deposit for supplies, $2 to $5. (Braucher.)

11.—Furniture Construction. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisites, mechanical drawing, woodworking, and joinery and cabinetmaking. The study of periods and styles of furniture, with the application of design to furniture construction. Several typical pieces are designed, and one or more made in the shop. Students pay for material used. (Braucher.)

12.—Printing. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisite, rhetoric and composition. A course in the elements of printing, the history and development of printing and modern related inventions; printing and typography defined, trade terms and uses of equipment, lay of cases, point system, use of stick, composing rule, syllabication and punctuation; proof marks—meaning and use; qualities of paper, size, cost, cutting and choosing; job designing, advertisement writing and display; qualities of inks, their use, and the mixing of colors; care of rollers, lectures on composing machines, presses, electrotyping, stereotyping, lithographing, half tones and zincs; practice in composition, feeding platen presses, make ready and imposition.

13.—Typography and Press Work. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisite, printing. Continuation of printing, speed in composition and press work will be emphasized in this course. Study and work on the cylinder press and the elements of the linotype. All styles of composition in job and advertising will be included. A short study will be made of the purpose of printing in the school and the different methods of teaching it, review of text books and the equipment of the school shop.

50.—Theory and Practice. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisite, sixteen hours manual training. A methods course, required of students expecting to qualify for manual training certificate, and offered to advanced students of education, without the prerequisites, who wish to learn something of the content of manual training for administrative purposes. No tool work is offered in this course, but the time will be given to reading, reports, and discussions of the theory and practice of manual training in education. Courses of study, textbooks, equipments, supplies, etc., are studied.

Biology and Geology.

Professor WOOSTER.
Associate Professor AGRELIUS.

THE SCIENCE OF ORGANISMS—ZOÖLOGY.

1.—ANIMAL ECOLOGY. *Five hours credit.*

Each Semester.

Classes meet in laboratory and recitation daily. This course includes the work given in Field Zoölogy and Animal Life on birds and insects, and elementary study of animal development and method of survival in the struggle for existence. It is especially intended for those who have taken an equivalent course in zoölogy.

1*a*—FIELD ZOÖLOGY. *Two hours credit.*

First half of First Semester and second half of Second Semester.

Classes meet in laboratory and recitation daily. This course is intended for those who have taken an equivalent course in zoölogy in the high school, and desire to gain a knowledge of insects and birds for use in nature study, agriculture and other natural history work. Methods of teaching science in the grades are given with this course. The course may be taken also during the first half of the first semester and during the second half of the second semester as a part of Animal Ecology.

1*b*—ANIMAL LIFE. *Three hours credit.*

Second half of First Semester and first half of Second Semester.

This course is given as a part of the course in animal ecology, and may be used as a methods course for teaching science in the grades or in high schools. It is an ideal course for the study of the philosophy of life and of living.

4.—ECONOMIC BIOLOGY. *Five hours credit.*

Each Semester.

Classes meet in laboratory and recitation daily. This course includes the work given in Vocational Botany and Systematic Zoölogy, and embraces a study of the structure and functions of representative animals and plants and of their relationships to the home, shop, garden and farm. This course also gives a study of the embryology, development and evolution of plants and animals.

4*a*—VOCATIONAL BOTANY. *Two hours credit.*

Summer Term, first half of First Semester, and second half of Second Semester.

Classes meet in recitation and laboratory work daily. In this course plants are studied in their home, shop, garden and farm relations with a minimum of pure botany. Nearly fifty experiments are performed by members of the class to show soil relations of plants, their methods of food making and their specific usefulness to man.

4*b*.—SYSTEMATIC ZOÖLOGY. *Three hours credit.*

Second half of First Semester and first half of Second Semester.

This course is regularly given as a part of the course in economic biology, and gives a brief but fairly satisfactory study of the development or evolution of animal life. It also emphasizes the importance of a knowledge of the various pathogenic form of animals, especially those which seriously endanger human health and that of the domestic animals.

ENVIRONMENTAL SCIENCE—GEOLOGY.

50.—GEOLOGY OF THE UNITED STATES. *Five hours credit.*

Each Semester.

Prerequisite, course 1 or 4. Some knowledge of zoölogy is desirable as a preparation for the second half of this subject. Geology comprises a study of the dynamical, structural and historical geology of our country, and includes laboratory and field work. It is a very necessary preparation for the teaching of physical geography and for the full understanding and enjoyment of all natural scenery.

7.—GEOLOGY OF KANSAS. *Two hours credit.*

Summer Term.

Daily, laboratory and recitation. This brief course in Kansas geology comprises studies in soil, climate, forest, and the subjacent rock formations with their included forms of extinct life; and the geological work of wind, rain, air, moisture and running water, all with especial reference to understanding the physical features of our state.

THE SCIENTIFIC METHOD—SCHOOL SCIENCE.

8.—NATURE STUDY. *Two hours credit.*

Summer Term.

The course in nature study treats of the methods of teaching natural history in the grades, and will be illustrated with numerous nature-study lessons.

9.—ELEMENTARY SCIENCE. *Two hours credit.*

Summer Term.

The selection of subject matter and the best methods of presentation for the different grades is emphasized. The work includes plant and animal life, physics, chemistry, hygiene, and sanitation in their elementary phases as they affect the life of the child in relation to his environment. The topics are considered from the standpoint of their relation to the course of study and to the other subjects in the curriculum. Emphasis is laid upon the social and economic phases of the subject.

51.—ELEMENTS OF THE SCIENCES. *Three hours credit.*

Each Semester.

This course is intended to give a general preparation for teaching general science in the junior high school. It includes methods of teaching the biological sciences in the high schools, as well as full discussions of science teaching in general and lessons on the subject matter.

Botany.

Associate Professor AGRELIUS.

9.—DEVELOPMENTAL BOTANY. *Five hours credit.*

Summer Term, and Each Semester.

This course includes the following divisions, which may be taken either one without the other, but preferably as a whole. Deposit, seventy-five cents.

9*a*.—DEVELOPMENTAL BOTANY OF SPORE PLANTS. *Two hours credit.*

Summer Term, First Semester, and first half of Second Semester.

This course includes a systematic study of the lower plants from the simplest upward, ending with the appearance of seeds. Special emphasis is placed on the forms of particular importance, such as the bacteria and the other fungi. It should be accompanied by course 9*b*.

9*b*.—Developmental Botany of Seed Plants. *Three hours credit.*

Summer Term, first half of First Semester, and second half of Second Semester.

This includes the study of seed plants. It begins with the seed and its germination and follows the developing plant through its various stages, including maturity. Special attempt is made to give the course cultural and economic value. It supplements the previous course, but is a unit by itself.

10.—Plant Anatomy. *Four hours credit.*

First Semester.

Prerequisite, course 9 or its equivalent. Includes a study of the tissues of plants in relation to their function. A set of microscope slides is prepared. These are of much use in presenting the subject of botany in high schools. Deposit, $1.

11.—Plant Nature Study. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, High-school Botany, or its equivalent. The phases of plant life which may be profitably presented in the grades are determined. The modes of presenting such work and the literature useful in teaching the subject, are studied.

52.—Plant Physiology. *Three hours credit.*

Second Semester.

Prerequisite, course 9 or its equivalent. This course embraces a study of the vital processes of plants—absorption, excretion, circulation, respiration—and is intended as a preparation for this phase of botany teaching in the high school. It deals with practical phenomena. Deposit, $1.

53.—Systematic Botany. *One to five hours credit.*

Summer Term, and First Semester.

Prerequisite, course 9. The classification of plants, especially those of the local flora; the preparation of an herbarium. Intended to acquaint teachers and others with the common and scientific names of the more familiar plants, and to enable them to identify those less familiar; to assist teachers, especially of rural communities, in arousing an interest in their pupils for their local environment. Especially helpful to teachers of nature study. Deposit, $1.

Bacteriology.

Associate Professor Agrelius.

A maximum credit of six hours may be allowed any student for graduation.

12.—General Bacteriology. *Three hours credit.*

Summer Term, and First Semester.

This is a general course in bacteriology. It includes the preparation and use of ordinary and special media and stains, and other bacteriological technique, and a study of the distribution, dissemination, classification and identification of bacteria. Special attention is given to those forms causing disease in man and other animals, and to immunity from these organisms; to water supplies; the disposal of sewage; and to individual and community hygiene. Deposit, $2.

13.—Agricultural Bacteriology. *Three hours credit.*

Second Semester.

This consists chiefly of laboratory work, and includes methods of growing and staining bacteria; a study of the kinds of special interest to the farmer because of their relation to soil formation and fertility, to disease in live stock, and dairy and other farm products. Deposit, $2.

14.—Household Bacteriology. *Three hours credit.*

Second Semester.

This treats of the preparation of media for growing bacteria and molds; of the staining of these organisms; of their forms and functions; and of their relation to the home. It includes the preservation of fruit; the effect of bacteria on milk, butter and other foods; the location of wells and the care of the same; the disposal of wastes; and the lighting and furnishing of the home as affecting the health of its occupants. Deposit, $2.

Chemistry.

Professor Maybery.

The Chemistry Department occupies commodious quarters in Norton Science Hall. In addition to a large lecture room with a demonstration table there are two well-lighted laboratories, a weighing room, a storeroom and an office. Recently much valuable apparatus has been installed and such supplies purchased as will permit of the very highest grade of work in all lines of analytical chemistry. The object of the department is to give students a clear insight into this very important science and at the same time train teachers for successful instruction in our best high schools and academies. A fee is charged in each course to cover the actual cost of chemicals and breakages.

1.—Elements of Chemistry. *Five hours credit.*

Summer Term, and Each Semester.

This is a course in inorganic chemistry. It includes a study of the fundamental principles and laws of the science, with a detailed study of both nonmetallic and metallic elements. Much practice in writing reactions and solving chemical problems is given. General experiments and demonstrations accompanying the daily recitations, and a minimum of four hours a week laboratory work is required.

2.—Inorganic Chemistry. *Five hours credit.*

Each Semester.

Prerequisite, course 1. The work covered is practically the same, but of more advanced nature, intended for those who wish to teach chemistry or desire a more extended knowledge of the subject.

3.—Qualitative Analysis. *Five hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 1 and, if possible, course 2. This course covers the detection of metallic and nonmetallic ions and the analysis of salts and ores. It is almost wholly a laboratory course. A minimum of eight hours laboratory work and one hour recitation each week is required.

4.—ORGANIC CHEMISTRY. *Three hours credit.*

Each Semester.

Prerequisite, course 3. The aim in this course is to give a comprehensive view of the various classes of hydrocarbons and their derivatives through the study of some selected types.

5.—ORGANIC ANALYSIS. *Two or three hours credit.*

Each Semester.

Prerequisite, course 4. There are two divisions in this course. Many experiments of a general nature are included in both divisions.

5*a*.—GENERAL ANALYSIS. *Two hours credit.*

A course designed for students in agriculture and for those interested in a general college course.

5*b*.—FOOD ANALYSIS. *Three hours credit.*

A course designed for students in home economics and those interested in the analysis and tests of food.

6.—CHEMISTRY OF TEXTILES. *One hour credit.*

Summer Term, and Each Semester.

Prerequisite, course 1. The simple analysis of forty-five to fifty samples of textile fabrics to determine the quantities of cotton, wool, silk or linen. Attention is given to the distinction between true and artificial silks and to the weighing of fabrics.

50.—QUANTITATIVE ANALYSIS. *Five hours credit.*

Summer Term, and Second Semester.

Prerequisite, course 3. This course includes both gravimetric and volumetric methods of quantitative analysis. It is a laboratory course, requiring a minimum of eight hours laboratory work and one hour recitation each week.

51.—AGRICULTURAL CHEMISTRY. Three hours credit.

Summer Term, and First Semester.

Prerequisite, course 3. The application of chemistry to the study of soils, soil analysis, plant nutrition, and soil fertilization. The general relation of chemistry to various farming operations will be studied.

52.—SPECIAL ANALYSIS. *Three hours credit.*

Prerequisite, course 50. A course intended for students desiring to work out problems in rock, soil, food, etc., analysis. The work is arranged to suit the needs of individual students.

Commerce.

Professor PARKE.
Instructor SPENCER.

This department aims (1) to prepare teachers to organize and conduct commercial courses in high schools; (2) to train teachers and supervisors of penmanship; (3) to offer elective courses for those who wish to obtain some knowledge of business subjects as a part of their general education.

The degree of bachelor of science in commerce is issued by the state, authorizing the holder to teach in Kansas high schools both commercial

branches and any other subjects for which his preparation qualifies him. For requirements see page 45.

Students who are candidates for the degree of bachelor of science in education and desire to major in Commerce should include in their major the following:

Accounting	9 hours.
Law	8 hours.
Business Organization	2 hours.
Office Practice and Procedure	2 hours.
Penmanship	2 hours.
Ec. and Ind. Geography	3 hours.
Principles of Economics	3 hours.
Commercial Arithmetic	2 hours.
Prin. and Meth. in Commercial Education	2 hours.
Office Management and Business Correspondence	2 hours.

A *minor* of fifteen hours may be selected from any other department.

Shorthand and typewriting are strongly recommended. They are counted toward the degree of bachelor of science in commerce (see page 46), and on the special certificate (see page 52), but do not apply on the degree of bachelor of science in education. The demand for teachers of shorthand and typewriting is very strong.

A special certificate to teach commercial subjects in the elementary and high school is issued for two years' work. For requirements see page 52.

Civil Service and Office Courses. Students may take work through one year or more leading to preparation for the civil service of Kansas or of the United States and for office work as stenographers, secretaries and bookkeepers upon payment of a small fee in addition to the regular incidental fees. For further information regarding these courses write or confer with the head of the department.

In the accounting courses instruction is given in the use of business papers, in business customs, and in business management. Students are also familiarized with the state texts in bookkeeping used in Kansas high schools.

1.—Elementary Accounting. *Three hours credit.*

Summer Term, and Each Semester.

This course serves as an introduction to the field of accounting. Single entry, double entry, trial balance, balance sheet, cost and income or profit and loss statements, closing the books, special books, special columns in books, subsidiary ledgers, and controlling accounts. The course is given by textbooks, lectures, and practical problems and exercises.

3.—Mercantile Accounting. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, Elementary Accounting, or a year of High-school Bookkeeping. Shows the application of accounting principles to various lines of mercantile business. Practical sets of transactions are worked out and practical problems solved.

5.—FARM ACCOUNTING. *Two hours credit.*

First Semester.

A practical system of keeping farm accounts, so devised as to show the condition, progress, and results of the farm business as a whole and in each of its departments. A course useful to students in agriculture as well as to those in commerce.

6.—BANK ACCOUNTING. *Two hours credit.*

First Semester.

Prerequisite, Elementary Accounting. Organization, management, and functions of banks. Books are opened from statements of a bank already in operation, transactions entered, and statements made. Forms of books and statements of different banks studied and compared.

8.—WHOLESALE ACCOUNTING. *Three hours credit.*

Second Semester.

Prerequisite, Elementary Accounting. Emphasis is placed upon the classification of accounts and the interpretation of business statements.

14.—BUSINESS LAW I. *Three hours credit.*

Summer Term, and Each Semester.

It is the aim in this course to teach those principles of law that give one an intelligent idea of his legal rights and limitations in business dealings. The law of contracts, sales, commercial paper, agency, partnership, corporations, and real estate, are among the topics studied. Drills are given in writing legal paper. Constant reference is made to Kansas statutes and court decisions.

17.—ELEMENTARY STENOGRAPHY.* *Five hours credit.*

Each Semester, Gregg system.

Emphasis is placed upon mastery of principles and correct formation of characters and outlines. Much drill is given in reading shorthand as well as in writing ordinary business and literary matter.

18.—ADVANCED STENOGRAPHY.* *Five hours credit.*

Each Semester, Gregg system.

Prerequisite, Elementary Stenography. Special contractions and shortening principles, phrasing, and daily dictation, with reading and transcription of notes. Emphasis is placed upon accuracy and readiness in transcribing.

19.—SHORTHAND SPEED PRACTICE.* *Two hours credit.*

On sufficient demand.

Prerequisite, Advanced Stenography. Dictation of difficult matter, use of dictaphone, discussion of office routine.

22.—ELEMENTARY TYPEWRITING.* *Three hours credit.*

Summer Term, and Each Semester.

Beginning with the mastery of the keyboard by the touch method, the student is led by a series of progressive exercises to the acquisition of practical speed and accuracy in writing ordinary business and literary matter. Laboratory fee, $4.

23.—ADVANCED TYPEWRITING.* *Two hours credit.*

Second Semester.

Prerequisite, Elementary Typewriting. Drill is given in writing from copy and from dictation, and in various lines of office work. Laboratory fee, $2.

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* These courses cannot be submitted for the degree of bachelor of science in education.

24.—Office Practice and Procedure. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 22. This course seeks to present useful information concerning the work of the stenographer, clerk, and office assistant; to systematize practice in the commoner secretarial duties, such as correspondence, handling the mail, writing business and legal papers, indexing, filing, reference work, proof reading, editing copy, and the use of office appliances; and to indicate the principles of secretarial ethics and the ideals of secretarial service.

26.—Penmanship. *Two hours credit.*

Summer Term, and Each Semester.

Designed for supervisors and teachers of penmanship in elementary and high schools. Discussion of aims; a study of the psychology, physiology, and hygiene involved; development of muscular control, and of speed with legibility; scales, their function and value; blackboard illustrations; analysis and discussion of letters, singly and combined; recent experiments. The library is well supplied with books and articles by investigators and teachers, and to these the student is constantly referred.

51.—Advanced Accounting. *Three hours credit.*

Second Semester.

Prerequisite, six hours of Accounting. This course is devoted mainly to a study of modern cost keeping, with attention to the distinctive features of corporation accounting, and a study of the form and interpretation of the balance sheet.

52.—Accounting Problems. *Two hours credit.*

Second Semester.

Prerequisite, nine hours of Accounting. Accounting systems are studied and systems devised, with problems and exercises illustrating accounts and methods of various classes of enterprises. C. P. A. problems are largely used. The library is supplied with books and periodicals treating of accounting theory and practice.

55.—Office Management and Business Correspondence *Two hours credit.*

Summer Term, and First Semester.

Prerequisites, course 24 and English 1*a*. The first half of this course gives a survey of the field of the office manager, his functions and duties. The second half offers practical training in the writing and dictating of business correspondence. Business situations are analyzed, letters classified into type forms, and the requisites of each class exemplified by many models. The dictaphone is largely used.

57.—Business Organization. *Two hours credit.*

On sufficient demand.

It is advised that this course be preceded by principles of economics. Fundamental principles of business administration. The individual business man, the partnership, and the corporation. Extractive, manufacturing, and distributive industries. The various departments of a large business and their relation to one another. The market, advertising, credits and collections. The administrative department and accounting methods.

58.—Salesmanship. *Two hours credit.*

Second Semester.

There is at this time a lively interest in salesmanship as a school subject, particularly on the part of business men, and to meet this

growing demand this course is offered. In this course the fundamentals of salesmanship are considered, including among the topics studied the salesman and his preparation; the process of a sale from its inception; the distinct forms of sales with typical problems.

60.—Elementary Law. *Three hours credit.*

Summer Term, and First Semester.

Designed to give a general view of the American legal system. Among the topics studied are: Written and unwritten law; personal and property rights; criminal law; private wrongs; remedies for public and private wrongs, with an outline of court procedure. Statutes and court decisions are used freely. Valuable to students of history, government and economics, as well as of business subjects.

61.—Business Law II. *Two hours credit.*

Second Semester.

Prerequisite, Business Law I, or Elementary Law. An advanced course with emphasis on contracts and negotiable instruments.

62.—Principles and Methods in Commercial Education. *Two hours credit*

Summer Term, and Second Semester.

Prerequisite, twelve hours of Commerce. A teacher's course, including among other topics the following: Essentials of commercial education; the high-school commercial course, including subjects to be taught, order of presenting them, amount of work to be done in each, methods of teaching. Relation of the business course to the business community; adaptation of the course to the small, the medium, and the large high school, and to local conditions.

English.

Professor Barrett.
Associate Professor Newton.
Instructor Birdsong.
Instructor Askew.
Instructor King.
Instructor Manley.
Instructor Ryan.
Instructor VanBuskirk.

For those majoring in English, course 60 is required, and courses 16, 17, 56 and 57 are especially recommended. They should take courses in English History as early as possible to furnish a background for their work in English Literature. Fundamentals of Expression and other courses in Public Speaking Department are almost essential to one who is preparing to teach English.

1*a*.—Rhetoric and Composition I. *Three hours credit*

Summer Term, and Each Semester.

In this course there is a severe drill in the simpler technique of writing. The student is required to write constantly. Current magazines are used as a source of material and as models of prose style. Required of all students except those who are promoted to a more advanced course after having shown their ability to write. Open to freshmen and sophomores. If taken by juniors or seniors, only one and one-half hours credit will be given.

1*b*.—Rhetoric and Composition II. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 1. In the written work of this course more

attention is paid to effectiveness in writing and to niceties in style. Much of modern prose is required.

2.—Newspaper English I. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, Rhetoric and Composition I. This is a study of the form of composition of the news report. The development of a terse and powerful style is sought. Fully fifty per cent of the material written in this class reaches the printing press.

3*a*.—Newspaper English II. (The School Paper.) *Three hours credit.*

Alternates with Newspaper English III. Summer Term, and Second Semester.

Prerequisite, Newspaper English I. This is an advanced composition course in which emphasis is placed upon the writing of editorials and advanced news stories and the editing of copy. A thorough drill in the technique of writing is given. The course includes the study of the organization, editorial direction, and business management of the school paper.

3*b*.—Newspaper English III. (The Special Article.) *Three hours credit.*

Alternates with Newspaper English II. First Semester.

Prerequisite, Newspaper English I. This is an advanced composition course in which teachers and school administrators are given instruction in the writing of special articles, on their work, for publication in newspapers, periodicals, and educational journals. Emphasis is placed upon the application of journalistic methods to pedagogical literature.

4.—Advanced Composition for Women. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, Rhetoric and Composition I. A constructive course in written and oral English. Papers based upon personal investigation and library research work are required. Demonstrated talks along lines in which the student is especially interested are emphasized. The course fits the student for constructive work in English which she will meet in life, such as papers and talks before teachers' associations and clubs.

11.—American Literature. *Three hours credit.*

First Semester.

Prerequisite, Rhetoric and Composition I. This course gives a general review of the history of American literature, but the emphasis is strictly placed on the classics. Methods in presenting the work in high school will be suggested. Much reading in the library is required.

12.—The Novel. *Three hours credit.*

Second Semester.

Prerequisite, Rhetoric and Composition I. A study is made of the rise and development of the novel. The structure of the novel is studied. An intensive study is made of some of the novels of Jane Austen, Scott, Dickens, Thackeray, George Eliot, Meredith, and Hardy.

13.—Current Literature. *Three hours credit.*

Summer Term, and Second Semester.

Prerequisite, Rhetoric and Composition I. In this course a study is made of some of the best new or recent poetry, essays and fiction.

Comparison is made with established models, and an effort is made to develop power of criticism. Current magazines and the library are used extensively.

14.—English Prose. *Three hours credit.*

Second Semester.

Prerequisite, Rhetoric and Composition II or its equivalent. A study of English prose style is taken up in this course. The style of some of the leading prose writers of England and America are analyzed. Some effort is made to imitate the beauty and effectiveness of various writers in the composition work of the class.

16.—English Literature, 1660-1800. *Three hours credit.*

First Semester.

Prerequisite, Rhetoric and Composition I. A study is made of the classical period and its prose and poetry. The growth of the romantic movement will be traced to its culmination at the end of the century.

17.—English Romantic Poets. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, Rhetoric and Composition I. A general survey of the "Romantic Movement" is made. The poets considered are: Wordsworth, Coleridge, Scott, Byron, Shelly and Keats.

18.—The Short Story. *Two hours credit.*

Summer Term, and First Semester.

Prerequisite, Rhetoric and Composition I. Both the constructive and literary sides of the short story are emphasized. Various types are studied. An original short story is written.

19.—Children's Literature. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, Rhetoric and Composition I. Consideration of methods of interesting children of grades 1 to 8 in good literature; principles of book selection; study of types of the best modern children's books by actual examination and reading. Better taken in sophomore than in freshman year.

51.—Shakespeare's Tragedies. *Two hours credit.*

Second Semester.

Prerequisite, nine hours of College English. Most of Shakespeare's tragedies are read and discussed. At least one of his greater tragedies is studied intensively.

52.—Shakespeare's Comedies. *Two hours credit.*

Summer Term, and First Semester.

Prerequisite, nine hours of College English. Eight of Shakespeare's comedies are read, chosen from the different types. Some attention is paid to the life and times of Shakespeare and the development of his genius.

53.—Tennyson. *Two hours credit.*

First Semester.

Prerequisite, nine hours of College English. A study of the author's characteristic poems.

54.—Browning. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisite, nine hours of College English. This course includes

all of Browning's short poems that are usually studied in schools, his dramas, and selections from "The Ring and the Book."

55.—The Modern Drama. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisites, nine hours of Composition and three hours of Literature. About fifteen plays are studied, including some of Pinero, Fitch, Shaw, Jones, Yeats, Hofmanstahl, Brieux, Echegaray, Thomas, and others.

56.—English Literature to 1500. *Three hours credit.*

First Semester.

Prerequisite, nine hours of College English. The object of this course is to make a general review of English literature from its earliest beginning down to the Renaissance. Some time is devoted to Chaucer. The source of various movements that develop later are noted. Students are expected to spend considerable time reading in the library.

57.—English Literature, 1500-1660. *Three hours credit.*

Summer Term, and Second Semester.

Prerequisites, six hours of Composition and three hours of Literature. The English drama, except Shakespeare, is studied. Spencer, Bacon and Milton are given due attention.

60.—Teaching of High-school English. *Two hours credit.*

Summer Term, and Second Semester.

Required of those majoring in English. Prerequisite, fifteen hours of college English. Various problems that confront the teacher of high-school English are taken up and discussed. The different types of literature are studied, and methods of presenting each are worked out. The teaching of composition and grammar in the high school is also taken up.

Geography.

Professor Atwood.
Instructor Williams.

1.—Economic Industrial Geography. *Three hours credit.*

Summer Term, and Each Semester.

How the World War has affected the use of our resources. A study is made of the distribution, development and conservation of the world's natural resources, and their relation to the growth and power of the great nations. The geographical factors are emphasized which influence the location and growth of industrial regions, trade centers and routes, and commercial activities.

2.—North America. *Four hours credit.*

First Semester.

A study of the physiography of the continent, and its influence upon the development of the nation. Emphasis is given to the distribution, development, and conservation of the natural resources of the United States, and their relation to industrial and commercial activities. The advantages of North America as the home of the greatest nation are noted.

3.—South America. *Three hours credit.*

First Semester.

The geographical factors influencing the development of the nations of South America are studied. Consideration is given to the

future progress of those nations as influenced by the physical advantages and disadvantages. The industrial regions, trade centers, and commercial activities of the continent are noted.

5.—EURASIA. *Four hours credit.*

Second Semester.

The course includes a description of several regions, including the geology, topography, physiographic history, climate and resources. The influences of geographic conditions on industries, on the location and growth of cities, and on the World War are discussed.

8.—ILLUSTRATIVE AND GRAPHIC GEOGRAPHY. *One hour credit.*

Summer Term.

Chalk modeling is done of types of relief features, as mountains, valleys and coasts. Maps of different materials are made. Emphasis is given to the making of graphs and their uses. This course is of special help to illustrate and bring greater success in teaching. Learn to draw and talk geography.

10.—GEOGRAPHY OF EUROPE. *Three hours credit.*

On demand.

The land of the World War is before the people more than any other part of the world. The geographic conditions that entered into the cause of the war, that have influenced the movements of armies, and that will affect the results of the war will be considered.

11.—TEACHING GEOGRAPHY IN THE JUNIOR HIGH SCHOOL AND INTERMEDIATE GRADES *Two hours credit.*

Summer Term.

The nature and scope of geography and its relation to other subjects is emphasized. Project problems suited to the grades are selected for the subject matter and for methods of presenting and working. Illustrative and graphic materials are obtained and used.

12.—TEACHING GEOGRAPHY IN RURAL SCHOOLS. *Two hours credit.*

Summer Term.

The course includes observation and nature study that is introductory to geography. Problems in geography suited to the intermediate grades are taken to give the subject matter and methods of handling the work. An industrial study of the local region is made.

50.—RELATION OF GEOGRAPHY TO HISTORY. *Three hours credit.*

Second Semester.

The geographic factors that controlled mediæval trade and trade routes, and led to the discovery of the Americas are noted. A study is made of how geography determined the location and growth of early settlements of America and stimulated the western movement of people in the United States and the growth of the United States to a world power.

51.—ADVANCED PHYSIOGRAPHY. *Four hours credit.*

On demand.

Prerequisite, high-school Physical Geography or its equivalent. Climate is a very important factor limiting man's accomplishments. Half the semester is given to a study of elementary meteorology and world climates. The types of land forms, their origin, growth and relation to man's interests are discussed. Subject matter is selected and methods for high-school teachers are considered. One hour a week of laboratory work is required.

History and Government.

Professor WILLIAMS.
Associate Professor SHOUP.
Instructor ————.

The courses in History and Government are planned to meet the needs both of the general student and of those wishing to specialize in the department. Courses 1 and 2 in European History, 1*a* and 1*b* in American History, and course 1 in Government, are suited to the student not specializing in history. They are also strongly recommended to those who desire to major in the department as introduction, and should precede all other courses in their respective fields.

EUROPEAN HISTORY.

1.—EUROPEAN HISTORY DURING THE MIDDLE AGES *Three hours credit.*

First Semester.

This course covers the period of history of Europe between the decline of the Roman Empire and the Renaissance in the fifteenth century. The period was preëminently an institutional epoch, when forms and customs were in the making. The course deals with the transition from the ancient to the mediæval world, the effects of the barbarian invasions; the growth of the Christian church; the feudal system; mediæval culture; and the beginnings of modern states and civilizations. Special attention is given in the course to a development of the historical point of view and in the use of source material. This course is considered fundamental to later work in history.

2.—MODERN EUROPEAN HISTORY. *Three hours credit.*

Summer Term, and Each Semester.

A general course dealing with the important phases of European history from the time of the Renaissance until the present. It treats of the Renaissance, the Reformation, the age of Louis XIV, the French Revolution and the Era of Napoleon, the Unification of Italy and Germany, and the Europe of to-day. This course should follow course 1.

3.—HISTORY OF GREECE. *Three hours credit.*

First Semester.

Emphasis is laid on the artistic, intellectual, religious, social, economic and political life of the Greek people. Special attention is given to mythology as an aid to teachers in primary and secondary schools. The fundamental idea is kept in mind that the historical significance and importance of the Greeks in their contributions to the general civilization of the world is their development of a superior intellectual and æsthetic culture.

4.—HISTORY OF ROME. *Three hours credit.*

Second Semester.

This course traces the growth of the Roman state and people from the legendary period to the time of the incoming of the barbarian and the deliquiescing of the empire. The real greatness of Rome, which forms a part of the world's possessions to-day—her monuments, her language and literature, her ideals of government, and her legal system—receive particular attention. Recommended to students majoring in Latin.

5.—HISTORY OF ENGLAND TO 1603. *Three hours credit.*

Summer Term, and First Semester.

In this course the aim is to trace the great movements by which

ancient England has become modern England and the forces which have given rise to these movements; the fusing of several races into the English people; the early English institutions, which were the germs of later institutions, and the social and economic life of the period receive consideration.

6.—History and Government of England from 1903 to the Present. *Three hours credit.*

Summer Term, and Second Semester.

This course is a continuation of course 5. They should be taken in regular order, but with the consent of the department this requirement may be waived. The course deals with the successful working out by the English people of two great problems in government—that of self-government under free democratic forms, and that of governing remote dependencies. The development in the great fields of industry—manufacture and commerce—and the growth in social and intellectual progress are also studied.

9.—Problems of Reconstruction. *Two hours credit.*

Summer Term, and Each Semester.

This course deals with the new conditions and problems growing out of the recent World War. The birth of new nations and their past history, the determination of the peace terms, the working out of the League of Nations idea into a realized fact, readjustments which the nations must make to meet the new situation, are topics that come under the scope of this study.

13.—The History of Germany Since 1740. *Two hours credit.*

First Semester.

This course deals with the more important events of German history from the ascension of Frederick the Great to the present time. The rise of modern Germany has long attracted the attention of American students, and the role she is now playing in the present European war makes her past and present a matter of special interest. The treatment of German life in all its aspects furnishes a good historical background for the student of the German language.

14.—The History of France. *Two hours credit.*

Second Semester.

This course attempts to present the leading facts of French history from early Roman times to the present, and is especially recommended to students of the modern languages and Latin.

51.—Industrial and Social History of England. *Two hours credit.*

First Semester.

Prerequisite, courses 5 and 6. This course is recommended to round out the study of English history. Mediæval rural and town life, trade and commerce, the economic changes of the fourteenth and fifteenth centuries that resulted in the breaking up of the mediæval system, the industrial revolution with its momentous results, the extension of government control shown in the factory laws, modification of land ownership, sanitary regulations and government industries, and the development of trade-unions, trusts and coöperation, are the principal topics of study.

52.—The Reformation. *Two hours credit.*

Second Semester.

This course gives consideration to the general struggle between the old and the new order of things, the modern nations which

were rising into power, and the need of reform before the revolt occurred. The individual reformers, together with the revolt and the counter-revolt in the various countries, are objects of study. The religious, political and economic results of the movement complete the study.

53.—The French Revolution. *Two hours credit.*

Second Semester.

To understand the social, economic and political conditions in France which were outgrown, and the origin and growth of the revolutionary spirit, is quite as necessary as to trace the history of the destruction of abuse and the struggle for liberty and rights. The course offers a study in social psychology and the political theories of the time, as well as a history of the Revolution itself.

54.—Mediæval Institutions. *Two hours credit.*

On sufficient demand.

An intensive study of a number of problems in mediæval social, political and religious institutions.

55.—Eighteenth Century History. *Three hours credit.*

First Semester.

This course presents a preparatory study for the history of the nineteenth century. It was the eighteenth century which set the problems of progress and suggested their solution. It was the nineteenth century that worked them out in detail and made their applications. This course will deal with the European struggles for colonial and commercial supremacy, the Old Régime in Europe, the forces working for reform; France before, during and after the Revolution, and the Napoleonic era down to the Congress of Vienna in 1815. The territorial changes, national policies, economic conditions and intellectual interests of this period form the basis for a fuller understanding of the nineteenth and twentieth centuries.

56.—The Nineteenth Century and After. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 1. This course begins with the reconstruction of Europe in 1815, and continues the history of Europe to the present. The ideas bequeathed by the French Revolution of social and political equality and freedom and the struggle for national unity and popular sovereignty are dominant factors in the period. The great economic, social and scientific changes which mark modern times are followed. The world problems and movements of to-day are studied through the newspapers and current periodicals. Reading, clipping, filing and reporting upon these current events form an interesting and valuable part of the course.

58.—Southeastern Europe. *Two hours credit.*

Second Semester.

No portion of Europe presents such a museum of races or a finer laboratory of history. At no time since the beginning of the Eastern Question has the Balkan Peninsula been of such political and military importance. The object of the course is to study not only the national history and characteristics of the present states, but also the environment and civilization of the people represented in these states. The course well represents history in the making.

59.—The Teaching of High-school History. *Two hours credit.*

Summer Term, and Each Semester.

Open, by consent of instructor, to sophomores. This course is intended to meet the needs of high-school teachers of history. It

considers the nature and scope of history, the sources of historical knowledge, evidence and criticism, the past and present points of view in regard to the subject. The discussions cover the aims and values of historical study, the history program for the high school, materials and methods of instruction. Each student is expected to work out bibliographies for various history courses, criticize text-books, select lists for library reference works, and report on current historical articles. Observation and criticism of high-school classes form an important part of the course.

60.—Seminar in European History. *One hour credit.*

Summer Term, and Second Semester.

Intensive study of a limited period or a special phase of social or political development with a view to training in historical method and use of the sources. Subjects vary from year to year.

AMERICAN HISTORY.

1*a*.—American History: Colonization and Union, 1492-1817. *Three hours credit.*

Summer Term, and Each Semester.

A general survey of American history from the discovery to 1817. The European background, colonization of North America by the English, the French, and the Spanish, the social, economic, and institutional development of the English colonies, the quarrel with Great Britain, the formation of the Union, and the foundations of a national policy, are particularly emphasized.

1*b*.—American History: National Development, 1817-1920. *Three hours credit.*

Summer Term, and Each Semester.

A continuation of course 1*a*. The development of national consciousness, the colonization of the West, sectionalism, slavery, and disunion, the rise of industrialism and the new democracy, and American participation in world politics, are given emphasis.

2.—American History, 1789-1817. *Three hours credit.*

Each Semester.

A course dealing with the organization of the national government, including a study of early political parties and the questions involved in foreign relations. Special stress is laid upon the economic, governmental and international conditions leading to the War of 1812. These will be carefully compared with similar conditions leading to the Great War of 1914.

3.—American History, 1817-1860. *Three hours credit.*

Each Semester.

This is an era of great internal development. Economic questions arise with direct bearing upon the Rebellion. New movements, educational, political, philanthropic, religious, literary and governmental, characterize the period. This is better understood if preceded by course 2.

4.—Kansas History. *Two hours credit.*

Second Semester.

The laboratory method is used to develop the following lines of research: The discovery, exploration and early settlement of Kansas; Kansas as Indian territory; the great struggle for a free or a slave state constitution; Kansas in our Civil War; changes and political evolution since the sixties; the part Kansas has played in

the nation's progress in education, letters, philanthropy, resources, and constitutional interpretation. Definite readings, reports and papers are required.

5.—The Rebellion and Reconstruction. *Four hours credit.*

First Semester.

The general facts underlying the precipitation of this conflict from the introduction. The war itself is studied by campaigns, with the attempt to discover the designs and methods of operation. The resources of the combatants, the armies, navies, supplies, means of transportation, etc., the finances, the attitude of foreign countries, are subjects of study. The problems of reconstruction, with all that is involved, the difficulties surrounding them, the ends sought, the methods of solving them and the consequences resulting from the least understood part of our nation's history.

5*a*.—Reconstruction. *Two hours credit.*

Summer Term.

51.—American History Since 1876. *Three hours credit.*

Summer Term, and Second Semester.

This course stresses the leadership of the United States as a world power; her entrance into the World War; and her possibilities as a future leader of nations. Much attention is devoted to the modern social and economic problems with reference to recent policies of government.

52.—American Colonial History to 1763. *Four hours credit.*

First Semester.

European conditions leading to our age of discovery, and the ancient life in America, are followed by a detailed study of the discoverers and explorers as expressive of the character, motives, methods, and result of European expansion in the fifteenth and sixteenth centuries. The planting of the individual colonies and the development of colonial institutions laid the foundation for the formation of the American nation.

53.—The American Revolution and Critical Period, 1763-1789. *Three hours credit.*

Second Semester.

This story of the struggle of the colonies for independence and of the nation to realize itself in government is a dramatic one. One sees a nation in the making and the process by which it builds great principles into its form of government.

54.—Latin America. *Two hours credit.*

Summer Term, and First Semester.

A general survey of the history of the Latin-American countries. Spanish and Portuguese colonization, the era of the Revolution, the rise of the republics and the growth of their peculiar institutions—political, social, and economic, and their relation to the foreign and commercial policy of the United States, are matters of special study. A topic for research is assigned each student.

55.—The West. *Two hours credit.*

Summer Term, and Second Semester.

The growth of our nation westward is studied for its causes and processes. New problems and how they affect our national life are considered.

57.—History of American Diplomacy. *Two hours credit.*

Summer Term, and First Semester.

A study of American foreign relations from 1776 to the present time. Special emphasis is placed on the original policy of isolation, the growth of the law of neutrality, the Monroe Doctrine and its modern interpretation, Pan-Americanism, the spread of American influence in the Pacific and the Caribbean, and the principles governing our entrance into the World War.

GOVERNMENT.

1.—American Government. *Three hours credit.*

This course covers the field of national and state government. The federal principle and the constitutional system peculiar to the United States are studied, and the characteristically American institutions are analyzed. Detailed attention is given to the governmental structure, and the functions of governmental organs. Text: Beard, "American Government and Politics."

2.—Local Government. *Three hours credit.*

In this course a study is made of city and county government. Special attention is given to recent tendencies in the development of municipal functions, commission government, city manager plan, home rule, and the problems of municipal administration. No single text is used.

51.—Governmental Problems. *Three hours credit.*

In this course a study is made of particular problems of American political development that can only be touched upon briefly in course 1. Specific reading assignments are made upon such matters as the short ballot, direct primaries, government control of industry, etc. Contemporary problems discussed in current political literature are also introduced. The student will be expected to read consistently current magazines dealing with political matters. Young, "The New American Government and Its Work," is used extensively.

52.—International Law. *Three hours credit.*

The fundamental principles of International Law are treated in this course. A study is made of the law of nations as it has developed through custom, judicial decisions, treaties, and international conventions. Constant use is made of illustrative documents, treaties, and cases. Particular attention is given to the influence of the United States in shaping international law. Text: Lawrence, "Principles of International Law."

53.—Comparative Government. *Three hours credit.*

In this course a study is made of the governments of Europe. Particular attention is given to the British cabinet system, which is contrasted sharply with our own. Text: Ogg, "Governments of Europe."

54.—Seminar. *One hour credit.*

This course is conducted by means of written reports and general discussion on assigned topics of interest to students of history and government. Meetings are held every other week for a two-hour period.

Home Economics.

Professor BEYE.
Instructor DEXTER.
Instructor STIEFELING.
Instructor KIRTLAN.

A major in Home Economics consists of a minimum of twenty hours or a maximum of thirty-five hours—to include courses 68 and 70. A minor in Home Economics consists of a minimum of fifteen hours. A special certificate to teach Home Economics in the elementary school and high school is issued. For requirements for the certificate, see page 55.

Students in this department should plan the work very carefully, so that all prerequisite work may be completed by the time they wish to take a certain course. The student furnishes material for garments made. The fees charged are to cover supplies used.

1.—SEWING AND TEXTILES. *Five hours credit.*

Summer Term, and Each Semester.

This course consists of two parts: 1*a*, *Sewing;* two hours credit; six hours laboratory; fee, 75 cents. 1*b*, *Textiles;* three hours credit. 1*a*, or its equivalent, must be prerequisite or taken with textiles. Study of textile industry, fibers, materials, adulterations, and weaving. Fee, $2.

4.—DRAFTING AND DESIGN. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisite, Sewing and Textiles, and Free-hand Drawing I. Six hours laboratory; two hours lecture work. A course in designing and drafting of patterns applied to garment work. Fee, 75 cents.

6.—SURVEY OF FOODS. *Four hours credit.*

Summer Term, and Each Semester.

Four hours laboratory; two hours lecture work. A survey course for those not majoring in home economics; a study of foods and the home.

14.—FOODS. *Five hours credit.*

Summer Term, and Each Semester.

Prerequisites, High-school Chemistry or Elements of Chemistry, High-school Physics. Eight hours laboratory; two hours lecture. A study of the effect of preparation upon the nutritive value of foods.

20.—HOME NURSING. *Three hours credit.*

Summer Term, and Each Semester.

Three hours lecture.

25.—FOOD INDUSTRIES. *One hour credit.*

Summer Term, and First Semester.

Prerequisite, one year of High-school Foods or course 6 or 14. A study of the effect of production and manufacturing processes upon nutritive value and cost of food.

54.—APPLIED COSTUME DESIGN. *Four hours credit.*

Prerequisite, Drafting and Free-hand Drawing II. Six hours laboratory; two hours lecture work. Application of study of design and color and selection of materials to garment work.

60.—HOUSEHOLD MANAGEMENT. *Five hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 14, Household Bacteriology. A study of the economy of labor, time, money in managing a home. Two weeks of practice work in the apartment is required.

62.—DIETETICS. *Three hours credit.*

Second Semester.

Prerequisite, course 60, Food Analysis. A study of digestion and metabolism in so far as these factors are basic in determining diet under normal and abnormal conditions.

68.—HOUSE AND HOME. *Four hours credit.*

Summer Term, and Each Semester.

This course consists of two parts: 68*a*, House Construction and Sanitation, with *two hours credit* (prerequisite, Household Bacteriology); and 68*b*, Interior Decoration (prerequisite, Free-hand Drawing I and II), *two hours credit.*

70.—WOMAN AS A SOCIAL FORCE. *Three hours credit.*

First Semester.

Prerequisites, Principles of Sociology, Biology.

Latin.

Professor HOLTZ.
Instructor RYAN.

EQUIPMENT. The department is supplied with maps of the Roman world, ancient Italy, Gaul, Rome and its environment, the city of Rome and the Roman Forum; also with wall pictures, costumes, and statuary of classical subjects. The library contains a large and well-selected supply of reference books that will compare favorably with similar collections in the leading colleges and universities of the middle West. Bound sets of the leading classical journals, as well as the current numbers, are always accessible to students. The department owns lantern slides illustrating Cæsar's campaigns, the Saalberg camp, the story of the Æneid, classical mythology, and Roman public and private life. Students also have the advantage of several hundred post cards and small photographs suitable for use in the reflectoscope. and a carefully developed "Sabin Exhibit."

ENTRANCE. Students entering with the required units of high-school credit may take any course for which they are prepared, and receive college credit when they satisfy the department that the character of their work is of college grade. Students with no Latin credit will take Elementary Latin; those with one unit credit will take Cæsar; those with two units, Cicero's Orations; with three units, Virgil's Æneid; with four units, Livy or Cicero's Essays. Students who have not had the equivalent of one hour per week in Latin composition for second and third years' work in the high school will be conditioned in composition pending an examination, or allowed to make up the requirement in the Roosevelt High School classes.

A minimum credit for a year of elementary Latin and prose readings will count toward graduation. All other courses will be recorded as per catalogue hours.

CHOICE OF OTHER SUBJECTS. As the work of the student in History, Science, English, Modern Language, Mathematics—in fact, in every academic subject—is materially aided by the study of Latin, so the student of Latin should enrich his training with courses in the above departments. A student who expects to teach Latin should make special preparation to teach one or two other subjects in order to meet the demands of the average high school. Of the four hundred teachers of high-school Latin in Kansas, the majority teach the following combinations: Latin and Modern Language; Latin and History; Latin and English; Latin and Science. Our teachers' bureau sometimes has calls for a teacher of Latin and Normal Training; Latin and Music; Latin and Mathematics. The following are recommended: English, Greek and Roman History, French or Spanish, Public Speaking and Philosophy.

MAJOR. Before completing a Latin major or before securing a departmental or Normal Appointment Bureau recommendation, a student must make satisfactory records in the following courses: Virgil, Cicero's Essays or Livy, Advanced Composition, Latin Grammar, The Odes of Horace, Methods in High-school Latin. The remaining quota of hours will be selected upon consultation with the head of the department.

UNIVERSITY DEGREES. Candidates for the higher degrees in a majority of the universities are held for two to four years of entrance Latin. Students should not embarrass themselves by failing to work off their language requirements before taking advanced work in the universities.

1.—ELEMENTARY LATIN. *Five hours credit.*

Summer Term, and Each Semester.

The essentials of Latin forms and syntax, including work in the subjunctive mode. The acquisition of an adequate vocabulary for the reading of short continuous passages and the writing of original exercises in Latin based upon pictures, current events, games and stories. The correlation of Latin with English, and other subjects in the curriculum. The relation of Latin to the everyday life of the present.

2.—LATIN PROSE READINGS. *Five hours credit.*

Summer Term, and Second Semester.

Prerequisite, course 1. A continuation of the above, dealing in particular with easy prose reading. A study of the Helvetian campaign, or equivalent Latin, in addition to the exercises of the first-year text. Composition practice on assigned and original work. Practice in translation at sight and from hearing syntax, stressing case usage. Extensive study of English derivatives.

4.—CÆSAR AND COMPOSITION. *Five hours credit.*

Summer Term, and First Semester.

Prerequisite, courses 1 and 2, or a year of High-school Latin. Translation by assignment and at sight from the additional books of Cæsar's Gallic War, or its equivalent. Syntax, stressing the subjunctive mode and all subordinate clauses, with composition by sentence and paragraph to illustrate the same. Individual studies and reports, with a summary of Cæsar's campaigns as a whole. Latin word formation and English derivatives.

5.—CICERO I; ORATIONS. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, course 4, or two years of High-school Latin. A stud[y]

of four selected orations. Translation by assignment and at sight. Syntactical study, stressing conditional sentences. Analysis of each oration. Roman social and political conditions compared with those of modern times. Daily study of English derivatives. Prose composition based upon text read. Open to those who have not had Cicero in high school.

6.—CICERO II; ORATIONS. *Three hours credit.*

Summer Term, and Second Semester.

Careful reading of three orations, including the Poet Archais and the Manilian Law. Daily prose based upon the text. The writing of continuous narrative. Rhetorical anaylsis of orations. A study of Roman political conditions. The courses in Cicero are also recommended to those majoring in European history.

7.—VIRGIL I. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, three years of Latin. Three books of the Æneid. Courses designed to secure an appreciation of Virgil's style and delineation of character. Due attention given to classical mythology and metrical reading. Reports and papers on related topics. The chief emphasis will be laid on the literary side of the poem.

8.—VIRGIL II. *Three hours credit.*

Second Semester.

Four books of the Æneid continued from course 7. Selections and summary of the remaining books of the Epic. The author's place in literature. Translation and metrical reading. Themes of a research nature. Courses 7 and 8 are recommended also to all who expect to teach high-school English.

9.—CICERO'S DE SENECTUTE, or DE AMICITIA. *Three hours credit.*

Summer Term, and First Semester.

Prerequisites, courses 6 and 7. Careful translation by assignment and at sight, with daily drill in syntax of modes and tenses; special attention to the classification of subordinate clauses; daily composition based upon the text. Recommended to advanced students of English and to those who continue the study of Latin beyond Virgil. It is suggested that the course in Advanced Composition or Latin Grammar, two hours credit, be taken at the same time.

10.—LIVY: BOOK XXI, SELECTIONS FROM BOOK XXII. *Three hours credit.*

First Semester.

Translation by assignment and at sight. Syntax of modes, tenses, and subordinate clauses. Daily prose based upon the text. It is recommended that students in Livy enroll also for Advanced Composition or Latin Grammar, two hours.

11.—ADVANCED LATIN GRAMMAR. *Two hours credit.*

Summer Term, and First Semester.

Open to all students with credit in three years of Latin. Designed, *first,* as a course in syntax for high-school teachers. Syntax of dependent clauses, and especial stress upon the subjunctive. Classification of case and mode usages in Cæsar, Cicero and Virgil. Prose composition; *second,* as a study of the latest and most conservative ideas on the principles of the Latin language. Bennett's Syntax of Early Latin; Hale and Buck's Grammar. Required of all students completing a Latin major.

12.—ADVANCED LATIN COMPOSITION. *Two hours credit.*

Second Semester.

Nutting's Advanced Composition, Part I or II, or its equivalent.

Practice in writing connected discourse. Intended to accompany course 9 or 10. Should be elected by all who expect to teach Latin.

50.—Horace: Selected Odes and Carmen Sæculare *Three hours credit.*

Second Semester.

Translation, analysis, study of Horatian meters. Special topics for reports and papers. It is recommended that the course in Roman private life or the grammar course be carried in connection with Horace. Required of all who complete a major in the department. Must be preceded by Virgil.

51.—Latin Comedy: The Captivi of Plautus and the Phormio of Terence. *Three hours credit.*

Summer Term, and Second Semester.

Should be preceded by course 9 or 10. Attention given to vocabulary, anteclassical forms and constructions, scansion, and idiomatic English in translation. The Roman theater. Papers and reports.

53.—Roman Private Life. *Two hours credit.*

Second Semester.

Study of the life, social customs, dress, travel, amusements, education, and kindred topics from the remains of ancient art and archæology, and in particular from the ruins of Rome and Pompeii. Lectures, library research and reports. Use of pictures, lantern slides and models. Designed to supply supplementary knowledge for high-school Latin and history teaching.

55.—Tacitus: Germania and Agricola. *Three hours credit.*

Summer Term, and Second Semester.

Should be preceded by course 9 or 10. Attention given to vocabulary, post-Augustan forms and constructions, and idiomatic English in translation, the Roman provincial system and the conquest of Britain.

56.—Teaching of High-school Latin. *Two hours credit.*

Summer Term.

Required of advanced students who expect to teach Latin. Course deals with the educational values of ancient language study and the relation of those languages to the language and life of to-day; with the principles underlying the teaching of Latin; with methods in dealing with specific problems; with topics in Latin teaching; with supplementary material, lantern slides, pictures, songs, playlets and plays, organization and programs for Latin clubs, exhibits, lectures, reports, papers, etc. The student may earn additional credit in observation and practice teaching. (See course 59.)

57.—Advanced Cæsar. *Two or three hours credit.*

Summer Term, and Second Semester.

Prerequisite, courses 11 and 12. Rapid reading from books V-VII. A critical study of the Gallic campaigns. Library research and critical papers. Intended as a practice course for Latin teachers. Discussion of problems in teaching Cæsar in high school.

58.—Teachers' Course in Composition. *Two hours credit.*

Summer Term, and First Semester.

Adapted especially to the needs of those preparing to teach high-school Latin. Exercises dealing primarily with the syntax of the second and third year's work. The writing of continuous prose narrative in original and assigned exercises. The close classification of cases and subjunctives in Cæsar's narratives. Course 57 should precede or be taken at the same time.

59.—Demonstration Class in Junior or Senior High School. *Four hours credit.*

Summer Term, and Second Semester.

These classes will be conducted in both Junior and Senior high school. Students in the Latin methods class and others of advanced standing in the department may enroll in this course for teaching and observation. The object will be to show the method of conducting a high-school class in Latin correlated with the study of English, and to afford an opportunity for regular practice teaching.

60.—Roman Satire. *Three hours credit.*

Second Semester.

Selections from the satires of Horace and Juvenal, or the entire time devoted to either author. Translation, scansion, a study of conditions that produced Roman satirical writing. Papers on subjects related to the content.

54.—Classical Poetry in Translation. *Two hours credit.*

Summer Term, and Each Semester.

Intended for advanced students preparing to teach Latin or English. The important fields of Greek and Latin poetry are studied, with particular attention devoted to the Greek drama, to Latin pastoral poetry, and their influence on later literature. No Latin or Greek prerequisite.

Mathematics.

Professor Lindquist.
Associate Professor Ellis.
Instructor Keller.
Instructor Morris.

1.—Advanced Arithmetic and Methods. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisites, one year each of Algebra and Geometry. Not a review of grade arithmetic, but an advanced course which gives teachers a broader and more comprehensive view of the science and history of number development together with material for classroom use. A historical survey of our system of numbers and measures, and relation of numbers. Fundamental principles, their applications and interrelations. Unification and correlation of subject matter. Graphs. This course applies on requirements for any certificate. Two hours credit may be applied on requirements for degree. (Lindquist.)

2.—Teaching of Elementary Mathematics. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, same as for course 1, and review arithmetic, arithmetical language, relation of numbers, literal arithmetic, oral work, drills securing of interest. Eliminations, additions, and modifications of the course of study. A study of each topic taught in the grades and junior high school, from the standpoint of position in the course of study, importance, relation to other topics of arithmetic and to other studies, its general application, and best methods of presentation. Not open for credit to students who have had course 1 to 3. Open only to freshmen and sophomores. If taken by juniors and seniors only one hour credit will be given. (Lindquist.)

3.—Teaching of Commercial Arithmetic. *Two hours credit.*

Summer Term, and First Semester.

Arithmetic from the standpoint of the business man and the com-

mercial teacher. Emphasis will be placed on the most approved forms of business computations used to-day, together with improvements on the same. Drills, short cuts, etc.; a study of the most valuable ones, their applications, and the best manner of presenting same to class. (Ellis, Lindquist.)

4.—ADVANCED ALGEBRA AND ITS APPLICATIONS. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisites, one year each of Algebra and Geometry. The fundamentals of algebra and the reasons underlying the fundamental operations with positive and negative exponents. A review of factoring. Theory of exponents, surds and imaginaries. Theory of quadratic equations in one and in two variables, with applications. Graphs. Ratio, proportion and variation. Series, limits, logarithms, and use of the slide rule. Applications of algebra to physics, mechanics, mensuration and numerous vocations. Only for students who have had but one year of algebra in high school. (Keller, Ellis.)

5.—SOLID GEOMETRY. *Three hours credit.*

Summer Term, and First Semester.

Prerequisites, one year each of Algebra and Plane Geometry. Straight line in space, the plane, and the more common solids, as parallelopiped, prism, pyramid, cylinder, cone and sphere. Application to problems throughout. (Ellis.)

6.—TRIGONOMETRY. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 4 or its equivalent. Plane trigonometry, trigonometric functions, solution of right triangles by use of natural functions, logarithms and slide rule, solution of the right and of the oblique triangle by logarithms, radian measurements, trigonometric equations, and numerous applications to practical problems. Right spherical triangles. (Ellis, Lindquist.)

7.—SURVEYING. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 6, or to be taken simultaneously with course 6, which is recommended. A practical supplement to the course in trigonometry, dealing with its most common applications. For this reason it is advisable to have the two taken simultaneously. Sufficient work is done with the transit and level to familiarize the students with the ordinary work of the surveyor. (Ellis.)

8.—COLLEGE ALGEBRA. *Five hours credit.*

Each Semester.

Prerequisite, one year each of Algebra and Geometry. A rapid review of first-year algebra; exponents, surds, imaginaries; theory of quadratics; graphs; ratio, proportion, variation; series; logarithms; determinants; theory of equations; Horner's method of approximations. For students entering with only one year of elementary algebra. (Ellis, Keller.)

9.—COLLEGE ALGEBRA. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, one and one-half years of High-school Algebra or course 4. Rapid review of elementary algebra; graphic representation; logarithms; theory of equations; Horner's method of approximations; determinants. (Ellis, Keller.)

50.—Plane Analytics. *Four hours credit.*

Second Semester.

Prerequisite, courses 6 and 8. Coördinates, locus of an equation, equation of locus, straight line; the more common curves, as circle, parabola, etc., and the relations between them; polar coördinates, transcendental curves, transformation of coördinates, tangents, parametric equations and loci. (Keller.)

50*s*.—Analytics. *Three hours credit.*

Summer Term.

Prerequisite, same as for 50. Selected topics from course 50, which will be of most value to students attending during the summer who are unable to take course 50 through the year. (Lindquist.)

51-52.—Calculus. *Seven hours credit.*

Through the year; *three hours* First, and *four hours* Second Semester.

Summer Term, upon sufficient demand.

Prerequisite, Plane Analytics. Derivatives, maxima and minima of functions, curvature, tracing of simple curves, indeterminate forms, series, the expansion of functions and numerous applications to problems in mechanics and physics. Integration, reductions to standard forms, use of integrating tables, definite integrals, finding of areas, volumes, length of curves, numerous applications to problems of physics. Differentiation and integration will be carried on simultaneously so as to bring out more clearly the connection between them. (Lindquist.)

51*s*.—Calculus. *Three hours credit.*

Summer Term.

Prerequisite, Plane Analytics. (Lindquist.)

53.—Teaching of High-school Mathematics. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisite, course 6. A critical historical survey of recent and present-day movements in the teaching of secondary mathematics, correlation of subjects, creation of interest, tests and examinations, definitions and axioms. Consideration of the topics of algebra, geometry and elementary trigonometry from the standpoints of presentation, placing of emphasis, difficulties and their remedies, making of problems and the collection of data for the same, historical points of reference connected with each. Observation of practice teaching in the Training High School. (Lindquist.)

54.—Astronomy. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisite, Plane Geometry. The doctrine of the sphere celestial and terrestial. Relation between distance and apparent size. Celestial measurements. Determination of time, of latitude, of longitude, of the place of a ship, of the position of a heavenly body. The solar system, including the distance, magnitude, motion and relations of its different members, and the several theories of its evolution. The stars and their grouping into constellations, clusters and systems, including frequent observations with telescope and transit. Comets, meteors and nebulæ and other ordinary work of descriptive astronomy.

55.—History of Mathematics. *Two hours credit.*

Upon sufficient demand.
Summer Term, and Second Semester.
Prerequisite, courses 6 and 8.

56.—Solid Analytical Geometry. *Two hours credit.*

Second Semester.
Prerequisite, course 50 or 50s. The course will include a treatment of geometry of space from the analytic standpoint, similar to that of plane analytic geometry.

57.—Differential Equations. *Three hours credit.*

Upon sufficient demand.
Prerequisite, course 52. Ordinary differential equation will be studied in which much attention will be given to applications. The great advantage of the differential equation as a mathematical instrument will be brought out.

58.—Higher Algebra. *Two hours credit.*

Second Semester.
Prerequisite, courses 6 and 8. Number field, number systems; complex numbers; limits; series; cubic and quadratic equations; theory of equations; infinite products; Taylor's theorem; multiple roots.

Methods and Practice.

Professor Lull.
Professor Culter.

1.—Elementary Instruction. *Three hours credit.*

Not open to students who have credit in Rural-school Instruction.
Prerequisite, Elements of Phychology, or Elementary Educational Phychology. High-school Psychology is not a prerequisite for this course. This is a foundation course for teachers and must be taken as a prerequisite to Kindergarten Play Materials and Primary Methods. It must also be taken by all students who are candidates for the Life Certificate who expect to teach in the intermediate grammar or junior high-school grades of cities.

A general synopsis of the course follows: Education as growth; interaction between the child and his environment; the mental adjustments of the child (typical modes); the social efficiency aim of education; the curriculum as an instrument of social efficiency; socializing school procedures; project-problem instruction, the method of socializing instruction; the function of the kindergarten in the socially efficient elementary school.

The functions of the subjects of the curriculum in the elementary school: Reading, language, grammar, spelling, writing, arithmetic, geography; elementary science, including the elements of agriculture and social hygiene and sanitation; history and civics, music, industrial arts, and physical training.

2.—Rural-school Instruction. *Three hours credit.*

Not a prerequisite for Kindergarten Play Materials or Primary Methods.

Not open to students who have credit in Elementary Instruction.

The aim of this course is to give the student instruction in how to teach the common branches of the rural-school curriculum. Some of the underlying principles of general methods will be studied, and then their application to specific subjects will be considered. The motivation and specialization of subjects in the country school pro-

gram and the primary work of the rural schools, such as primary reading, number work, seat work and language work, will receive attention.

50.—High-school Instruction. *Three hours credit.*

This course is prerequisite to practice teaching in the Junior and Senior High School.

Prerequisite, Educational Psychology, and seventy-five hours of college credit. A brief introduction dealing with the traditional elements in high-school instruction, aims and practices, the influence of the college upon high-school instruction, the prevailing tendencies of preparatory instruction reappearing in vocational instruction, and preparatory instructional tendencies at the close of the nineteenth century.

The curriculums of junior and senior high schools: The social core of constants, elective groups, free electives, guidance administration.

Values and methods of instruction in the various branches, including the socialized recitation and supervised study.

A.—KINDERGARTEN DEPARTMENT.

Miss Bingham.
Miss Taylor.

1.—Practice Teaching in the Kindergarten I. *Four hours credit.*

Students teach and observe in the kindergarten 2½ hours daily under supervision, prepare written plans, and attend conferences. Each student is responsible for a group of children, and is called upon to take charge of the kindergarten at stated times.

2.—Practice Teaching in Kindergarten II. *Four hours credit.*

Summer Term, and Each Semester.

A continuation of course 1. Students teach and observe in the kindergarten two and one-half hours daily under supervision, prepare written plans and attend conferences. Each student is responsible for a group of children, and is called upon to take charge of the kindergarten at stated times.

3.—Kindergarten Play Materials. *Three hours credit*

First Semester.

A study of the activities of young children. An analysis of the common play materials of children as a basis of determining the principles governing the selection and use of materials in the kindergarten. The Froebelian gifts; the principles on which they were planned. Modern adaptations and modifications of these. Practice in the manipulation of materials. A study of methods in the use of materials.

4.—Handwork for the Kindergarten and Primary Grades. *Three hours credit.*

Second Semester.

A study of the principles and methods which give educative value to handwork for young children. The aim is to discuss and use practically materials in which may be found the beginnings of art and of industry, and also materials which meet the constructive instinct as it functions in the play life of the child.

5.—Kindergarten Plays and Games. *Two hours credit.*

Summer Term, and Each Semester.

A study of the different periods in a child's development; the

instincts, impulses and natural play activities of each period. The significance of play as a factor in education; its relation to work. A study of different types of games. Selection and adaptation of games for kindergarten and primary use. The actual playing of games.

6.—The Period of Infancy. *Three hours credit.*

First Semester.

This course aims to give an insight into child nature and its needs as a basis for kindergarten procedure. The work is carried on by means of observation of children in kindergarten and home, by the study of Froebel's "Mother Plays" and of more modern child-study literature. A comparison is made between the kindergarten procedure as developed by Froebel and that of to-day, reconstructed in the light of modern genetic psychology and child study.

7.—Kindergarten Program. *Three hours credit.*

Second Semester.

Prerequisites, Kindergarten Play Materials, Handwork for the Kindergarten and Primary Grades, Kindergarten Plays and Games and the Period of Infancy. The study of kindergarten activities and materials leading to the organization of a kindergarten program. The principles controlling such an organization. Each student will be required to write in outline a year's plan of work for a kindergarten, and will also plan the equipment for a kindergarten.

8.—Weekly Conference. *No credit.*

One hour each week. Required of all kindergarten students. A study of the kindergarten program as it is carried out from week to week in the Normal School Kindergarten, with a discussion of subject matter, materials and methods, and a study of individual children. This course forms the class conference for those doing practice teaching in the kindergarten.

B.—PRIMARY DEPARTMENT.

Professor Harris.
Miss Grant.
Miss George.
Miss Johnson.

1.—Primary Methods. *Four hours credit.*

Prerequisite, Elementary Instruction. The purpose of this course is to offer in lecture form a critical study of methods of presenting the principal subjects of instruction in the lower grades, and to stress habits of work. This work is more extended and definite on the various subjects than is possible in the limited time available in connection with the academic and advanced treatment of the same. The teacher will be led to test methods and to govern the application of the same by laws of the mind. After each subject is completed illustrative lessons will be given with the pupils of the first three grades of the Training School.

(1) *Primary Methods.*—Meaning and purpose.

(2) *Reading.*—Study of methods, past and present. The teacher's problems in connection with "beginning reading" without text. The teacher's problem when using the text. Thought work, including expression, dramatic work, etc. Mechanics, melodic phonics, word study, drills, etc. Lists of the best readers.

(3) *Nature Study and Language.*—Selecting the material for nature study. How used as a foundation for the language work.

The purpose of language in the lower grades. The use of the picture poem and story, and correlation with nature work. Mechanics of language.

(4) *Primary Numbers.*—A study of methods, past and present. The teacher's guide in selecting and presenting material. What shall we teach? How? Means of presenting new ideas through use of objects, construction work, etc. Drills, purpose, formal drills, devices, games, etc.

(5) *Geography.*—Its place in the primary course. Life work and map work throughout the lower grades. Home or local geography. Outdoor and field lessons, excursions to shops, etc. The use of sand modeling, posters, stones, pictures, etc., in teaching primary geography.

(6) *Music.*—The two phases of work—rote singing and the mechanics of music. Value and use of each. Tone work, breathing, rhythm, ear training, eye training; analysis of songs, and how to teach them.

2.—ADVANCED METHODS IN PRIMARY INSTRUCTION. *Three hours credit.* Each Semester.

Prerequisites, Elementary Instruction, Primary Methods, practice teaching, and at least one year's teaching in public schools. Purpose of the course: To make a study of the methods of teaching, some one subject to be presented in the primary grades for the purpose of instruction and of assisting other primary teachers. Plan of the course: (1) Constructive criticism. Observe student teachers in the elementary training school and report in regard to best plans of meeting these teachers and helping them. (2) Visit city schools and note methods used. (3) Read books showing the best methods. (4) Compare methods and select. (5) Outline the talk or explain and write. (6) Make plans for illustrative lessons.

Modern Languages.

Professor DUDLEY.
Miss LAVERY, Instructor.

The equipment of the Department of Modern Languages consists of about seven hundred department books in the library, including a fairly complete list of reference books, a complete set of two hundred twenty volumes of the Deutsche National-Litterateur and a set of the Allgemeine Deutsche Biographie; one philological, one pedagogic and two literary periodicals, a weekly German newspaper, and one French periodical; a wall map of France, two physical maps and one political map of Germany; a wall map of Schiller's Wilhelm Tell; a set of eight Hölzel and Holz pictures for use in free composition and in methods; a spectroscope and several hundred post cards of various parts of Germany and France, and illustrating various phases of life in those countries; an increasing collection of framed prints and photographs, including those of statesmen and writers; Kürschner's Das ist des Deutschen Vaterland; Könnecke's Bilderatlas zur Geschichte der Deutschen National-Litterateur; La France, a finely illustrated geographical description of France in two volumes.

MAJOR AND MINOR IN GERMAN. At the discretion of the Faculty of the department, twenty hours of college German may constitute a major

for students offering three or four units of credit in high-school German. Not less than twenty-five hours of college German constitutes a major for students offering two units of credit in high-school German. Not less than thirty hours of college German constitutes a major for students offering no entrance credit in German.

Unless a students offers one unit of entrance credit in German he may be required by the Faculty of the department to take twenty hours of college German in order to minor in German.

Not less than ten hours may be submitted in French, in German, and in Spanish.

GERMAN.

1.—ELEMENTARY GERMAN. *Five hours credit.*

Summer term, and Each Semester.

No prerequisite in German. Texts: Gohdes and Buschek's Lern- und Lesebuch, 75 pages. Walter Krause's First German Reader, 30 pages. The course includes a scientific study of pronunciation by the application of the principles of phonetics; also reading, practice in memorizing prose and poetry, reproduction, writing from dictation, and free composition based on one Hölzel and Holz picture. The purpose of the course is to lay foundations for reading, speaking and writing the German by giving as much of a feeling for the language as possible. The work is done partly in German.

2.—INTERMEDIATE PROSE. *Five hours credit.*

Summer Term, and Each Semester.

Prerequisite, Elementary German I, or one unit of high-school German. The texts, Gohdes and Buschek's Lernund Lesebuch and Walter Krause's First German Reader, are completed, and one short story, Gerstäcker's Germelshausen, or a comedy, Fulda's Unter vier Augen, or the equivalent, is read. The drill in pronunciation, memorizing, free reproduction of simple German, and writing from dictation begun in Elementary German I is continued throughout this course. The work is done partly in German.

3.—SHORT STORIES. *Five hours credit.*

Summer Term, and Each Semester.

Prerequisites, courses 1 and 2, or two units of high-school German. The purpose of this course is (1) to give the students practice in reading interesting prose of intermediate difficulty, (2) to review nouns, pronouns, and adjectives, and (3) to give practice in writing German by means of exercises based on the texts read. About 140 pages are read from the following texts or their equivalent: Storm's Immensee, Wildenbruch's das edle Blut, or Baumbach's der Schwiegersohn, and Keller's das Fäbnlein der sieben Aufrechten. The work is done partly in German.

4.—INTRODUCTORY CLASSICS. *Five hours credit.*

Summer Term, and Each Semester.

Prerequisites, courses 1, 2 and 3, or three units of high-school German. In this course two or three selections are made from the following texts: Schiller's Wilhelm Tell, die Jungfrau von Orleans, Maria Stuart, Lyrics und Ballads, Lessing's Minna von Barnhelm, Goethe's Hermann und Dorothea. In addition to the texts read, verbs are reviewed thoroughly, and one day in the week is devoted to prose composition. The work is done partly in German.

5.—Intermediate Prose Composition. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, course 4, or its equivalent. The texts used are Thomas's A Practical German Grammar, and Pope's Writing and Speaking German. In connection with the composition exercises in Pope, the principles of the grammar are reviewed by the use of the Thomas Grammar.

6.—Oral Composition. *Two hours credit.*

Second Semester.

Prerequisite, course 4. Text, Boezinger's Mündliche und schriftliche übungen. In addition to the text the students are required to commit to memory and give publicly a short German comedy. No written work is required, and the work is done in German except the stage drill in connection with the comedy.

8.—Goethe. *Three hours credit*

First or Second Semester.

Prerequisite, course 5. The course consists of the study of Goethe's life, with such attention to literary and social conditions of his time in Germany as is necessary to an understanding of the author and his works. Two of his dramas, such as Egmont and Iphigenie auf Tauris, are read, also selections from his lyrics, or from Dichtung and Wahrheit. Students are required to write a term theme on some phase of the work. (Dudley.)

9.—Lessing. *Three hours credit.*

Summer Term, and First or Second Semester.

Prerequisite, course 5. The same general method is pursued as in course 8. In connection with the works read, lectures are given by the instructor on the drama in Germany before Lessing, and also on Lessing's work as a critic. (Dudley.)

50.—Nineteenth Century Fiction. *Three hours credit.*

First Semester.

Prerequisite, courses 5 and 8, or 9 or 10. The aim of this and the following course is to introduce the students to the men and movements which have had a determining influence in the shaping of modern German literature. Kleist, Eichendorff, Keller, Meyer, Fontane, Rosegger and Sudermann are studied in representative works. (Dudley.)

51.—Nineteenth Century Drama. *Three hours credit.*

Second Semester.

Prerequisite, courses 5 and 8, or 9 or 10. Witkowski's German Dramatists of the Nineteenth Century is used in connection with dramas read from Kleist, Grillparzer, Hebbel, Ludwig, Hauptmann, and Sudermann. Much of the work is done in German. (Dudley.)

53.—History of German Literature I. *Two hours credit.*

On sufficient demand.

Prerequisite, course 50, 51 or 52. Texts: Thomas's History of German Literature and his German Anthology. Ten chapters in the History and 280 pages in the Anthology are included in this course, with lectures by the instructor and papers on important phases of the work by members of the class. (Dudley.)

54.—History of German Literature II. *Two hours credit.*

On sufficient demand.

Prerequisite, course 50 or 51. The course begins with the seventeenth century and ends with the close of the nineteenth. The texts

begun in course 53 are finished in this course, and in addition to the Anthology selections are read from the principal writers of the nineteenth century. (Dudley.)

55.—PHONETICS. *One hour credit.*

Summer Term, and on sufficient demand.

Open to students by consent of the instructor. The course consists of a careful study of the organs of speech by means of plates, casts, and steroscopic views; the study of the formation of German speech sounds from the point of view of the organs of speech, and the phenomena of the sounds themselves; the classification of the sounds according to their position and formation; the practical application of the principles studied by means of reading, and the study of sentence stress, or accent. (Dudley.)

FRENCH.

The equipment for the study of French has been included in the description given for the department.

MAJOR AND MINOR IN FRENCH. A major in French will consist of not less than twenty hours of college French, not including Elementary French; a minor of not less than fifteen, at the discretion of the head of the department. The work in the various courses will be done as much in French as is consistent with giving the necessary content to the courses. A double major of French and Spanish or of French and German may be taken by electing the forty-five hours allowed for credit in the Modern Language group.

1.—ELEMENTARY FRENCH. *Five hours credit.*

Summer Term, and Each Semester.

Texts: Fraser and Squair, Shorter French Course to Lesson XXXIX; Aldrich and Foster's French Reader, 75 pages. The pronunciation is taught carefully in connection with the phonetic transcription of the French words, and there is constant drill in correctly placing and forming the sounds. Dictation, reproduction and writing original sentences in French are a part of the work during the entire semester. No prerequisite in French.

2.—INTERMEDIATE FRENCH. *Five hours credit.*

Each Semester.

Prerequisite, Elementary French, or one unit of high-school French. Fraser and Squair, Shorter French Course, completed; Aldrich and Foster, French Reader, completed. Two short classics, such as Moinaux; Les deux Sourds, and Gervais; Un Cas de Conscience, are read. Drill in pronunciation and reading, also the dictation and reproduction, are continued in this course. A few poems are committed to memory.

3.—ADVANCED FRENCH I. *Five hours credit.*

First Semester.

Prerequisite, Intermediate French or its equivalent. About 250 pages of modern French will be read, selected from the following texts: Sand's La Mare au Diable, Augier's Le Gendre M. Poirier, Daudet's La Belle Nivernaise, Lamartine Jeanne d'Arc, Musset's Pierre et Camille, Scribe's Un Verre d'Eau. Dictation and reproduction of passages read in the French will be continued, and a verb review will be given in connection with François: Alternate Exercises for Introductory French Prose Composition, Part I. Phonetic drill is continued.

4.—Advanced French II. *Five hours credit.*

Summer Term.

Prerequisite, course 3 or its equivalent. About 350 pages will be read, selected from the following: France's Le Livre de Mon Ami, Balzac's Eugenie Grandet, Gautier's Jettatura, Hugo's Bug Jargal, Loti's Pecheur d'Islande, Dumas's La Question d'Argent. The work of course 3 will be continued, and François Prose Composition will be finished.

5.—French Composition I. *Two hours credit.*

Summer Term, and Second Semester.

Prerequisite, French 4 or its equivalent. This course is designed especially for students preparing to be teachers and is conducted in French. Based on texts dealing with common things and with everyday life, it aims to build up a practical vocabulary. The work in the texts is supplemented by dictation, and simple oral themes or assigned topics are required from each member of the class each week.

6.—Modern French Drama. *Three hours credit.*

Summer Term.

Prerequisite, one year of college French. About 200 pages are read, selected from the following dramas: Augier's Le Gendre de M. Porier, Labiclie et Martin's Pondre aux Yeux, Sandeau's Mlle. de la Seigliere, Scribe's Nu Verre d'Eau. Irregular verbs are studied in connection with the dramas read.

7.—French Composition II. *Two hours credit*

On sufficient demand.

Prerequisite, French 4 or its equivalent. Koren's French composition is used as a basis for the course. The French exercises are committed to memory to give familiarity with idioms and style. Besides the translation of English exercises into French, French themes are required of the students for practice in free composition.

51.—Advanced French Composition. *Two hours credit.*

On sufficient demand.

Prerequisite, French L. This course continues the work of the preceding and forms with it a year of composition work.

52.—Earlier French Dramatists. *Three hours credit.*

On sufficient demand.

Prerequisite, French 4 or its equivalent. Works of Molière, Corneille and Racine and others are read and their structure studied, And the members of the class are required to do collateral reading and make reports on themes which give them the social and historical setting for the plays read.

53.—French Romanticism. *Three hours credit.*

On sufficient demand.

Prerequisite, French 50. The origin and development of Romanticism in France is studied, together with the reading of selections from the leading French romanticists.

54.—Survey of French Literature. *Three hours credit.*

On sufficient demand.

Prerequisite, French 6. The course is based on Fortier's Histoire de la Litterature Francaise. Reports and themes based on collateral reading form a part of the work each week.

55.—The Teaching of High-school French. *Four hours credit.*

On sufficient demand.

Open by permission of the instructor. The state text in French grammar is reviewed and discussed, and texts recommended by the state committee are read outside of class and reports made on them. The formation of French sounds is studied in connection with the phonetic script. Reports are made on the aims and methods of teaching high-school French based on collateral reading and a course in high-school French is outlined. A bibliography of reference books concerning France and the French language is given by the instructor. The student is required to observe and teach, as the instructor requires, a beginning class in high-school French, and to work out lesson plans.

SPANISH.

1.—Elementary Spanish. *Five hours credit.*

Summer Term, and Each Semester.

Texts: DeVitis Spanish Grammar to Lesson XXV; Berge-Solar and Hatheway's Easy Spanish Reader, 30 pages. The chief aims of instruction are drill toward the acquisition of a correct pronunciation, mastery of grammatical fundamentals and the ability to read and understand simple prose. Conversation, dictation, reading, reproduction and memorization of prose are included in the course. Work done partly in Spanish.

2.—Intermediate Spanish. *Five hours credit.*

Each Semester.

Prerequisite, course 1. Texts: DeVitis' Spanish Grammar completed; Berge-Solar and Hatheway's Easy Spanish Reader completed. Conversation, composition, dictation, reading and reproduction continued in this course. Current event discussions from the Spanish newspaper *La Prensa*. Work conducted partly in Spanish.

3.—Modern Spanish Literature. *Three hours credit.*

First Semester.

Prerequisite, course 2. Intensive study of 150 pages of fiction and drama are read, selections chosen from writings of Valdes, Mormol, Alacron and Valera. Conversation, together with questionnaires formed by pupils, are based upon the above selections. Papers on various suggested outside topics are required. Course conducted in Spanish.

4.—Spanish Composition. *Two hours credit.*

Each Semester.

Prerequisite, course 3; may be accompanied by course 5. Texts: Ramsey's Textbook of Modern Spanish, and Espinosa's Advanced Spanish Composition and Conversation. Training in writing and speaking Spanish. Original stories based upon pictures form a part of the course. Much of the work is done in Spanish.

5.—Advanced Spanish Literature. *Three hours credit.*

On demand.

Prerequisite, course 3; may be accompanied by course 4. In this course 200 pages of prose and poetry are read from writers of the eighteenth and nineteenth centuries. Papers, discussion various phases of literature and interpretation, are written. Work done in Spanish.

50.—Teaching of High-school Spanish. *Two hours credit.*

Summer Term, and First Semester.

Open to students by consent of Modern Language Department. The course consists of the study of the latest methods in teaching modern languages; of the organization of a course of study based on the textbooks recommended by the state; of reports on the manners and customs of people living in Spanish speaking countries; and of as much drill in conversation and grammar as the time of the course will allow.

Music.

Frank A. Beach, Director Normal School of Music, Professor of Voice, Theory and Public-school Music.
Dorothea Bang, Assistant Violin.
Ada Baum, Piano, and Music Appreciation.
Rosalie Brigham, Piano and Voice, High-school Students.
Gertrude Gamble, Public-school Music, Theory.
Marcellus C. Grady, Wind Instruments and Band.
Gladys Hawkins, Piano.
George Keenan, Stringed Instruments and Orchestra.
Irma Jane Lewis, Voice.
Ralph Page, Voice.
Ardene Phifer, Piano.
Harriet Prutsman, Piano, Accompanying and Theory.
E. Anna Stone, Piano for Children, Juvenile Methods.
Catharine E. Strouse, Supervisor in Training School; Methods.

PUBLIC-SCHOOL MUSIC.

The demand for supervisors of public-school music in its various phases who are also thoroughly equipped along academic lines has led to the organization of a four years' college course of study which has music for its major. Upon its completion graduates may teach, in addition to high-school music, any other high-school subject for which they are prepared. The degree of bachelor of science in music is conferred.

In addition to the academic work deemed essential for a proper general equipment, there is offered for teachers and supervisors of music specific training in sight singing, ensemble practice, elementary harmony and ear training; courses in the appreciation of music, both for the development of the individual and for teaching purposes; definite experience in the planning of outlines for the various grades and high school, as a part of the course in public-school music methods; instruction in individual voice production and singing, as well as in the care and development of children's voices; actual practice in conducting chorus and orchestra, and practice teaching of classes of children in the Training Schools under the criticism of a supervisor of wide preparation and experience.

Courses are offered in voice, piano, violin, stringed and wind instruments, including theory and history of music, music appreciation, musical analysis, methods, and practice teaching.

Students who wish to complete any of the above-named branches may receive a general academic equipment, a thorough preparation for the profession of teaching, specific training in music, and proficiency in public performance. Those students who can spend only a part of their time in the study of music may take up special work suited to their

needs and attainments, thereby increasing their efficiency as teachers in the public schools.

The work of the year is interspersed with public recitals and concerts given by pupils and members of the teaching staff. A number of organizations are also maintained by the department. Two orchestras, a band, men's and women's glee clubs, the Treble Clef Club, and the Musical Art Society are organizations free to students who can derive benefit therefrom. The Choral Union—the all-school chorus for which credit is allowed—affords opportunity for study of the oratorios and large secular compositions. (See course 10.)

Credit is allowed for all work satisfactorily completed in class recitation, as stated after each course. Students enrolling in individual instruction—piano, voice, or violin—will be granted credit applicable as an elective toward any certificate and upon the degree, bachelor of science in music, on the basis of one hour of credit for eighteen lessons, with the necessary preparation for each lesson.

SPECIAL LESSONS IN PLAYING AND SINGING. These have for their object attainment of practical ability without emphasis on technical skill. This work is open to students after a conference with the Director. It carries no credit and requires but a limited amount of preparation.

CLASS LESSONS. Class instruction in voice, piano and violin, carrying no credit, is open without fee to students of elementary grade who have not been enrolled in private study in schools of music.

Several courses, which are both cultural and practical, are offered to prepare the prospective teacher and principal to mold the taste of his school and community along musical lines.

All certificates and diplomas issued in music will be found listed on pages 48 and 55.

1.—ELEMENTARY SIGHT SINGING.* *Two hours credit.*
Each Semester.
Deals with the elements of music, rote singing, the facts of time and tune, with their staff representation, leading to the reading of one-part music.

2.—INTERMEDIATE SIGHT SINGING.* *Two hours credit.*
Second Semester.
This course is designed to succeed 1. Reading in two parts.

3.—ADVANCED SIGHT SINGING.* *Two hours credit.*
Second Semester.
Prerequisite, Intermediate Sight Singing. Sight reading in three and four parts.

4.—KINDERGARTEN AND PRIMARY MUSIC INSTRUCTION. *Two hours credit.*
Summer Term, and Each Semester.
Prerequisite, two hours Sight Singing.
First semester for music students only; second semester for special proficiency candidates only.

* These courses may be submitted as credit for any certificate and for the diploma conferring the degree of bachelor of science in music, but not for the diploma conferring the degree of bachelor of science in education.

5.—Grade and Junior High-school Music Instruction. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 2, or equivalent. An outline of the work of the various grades, choice and use of material, voices and interpretation.

6.—High-school Music Instruction. *Two hours credit.*

This course deals with the methods of presenting the subjects as regularly taught in a high school offering music as an accredited subject. They are as follows: Notation, Melody Writing, Elementary Harmony and Part Writing, Advanced Harmony, Music History and Appreciation, and Chorus Conducting.

7.—Systems.* *One hour credit.*

Summer Term, and First Semester.

A comparative study of the several systems of public-school music and their application. Open to students who are specializing in the department. Prerequisite, courses 1, 2, and 5.

8.—Rural-school Music. *Three hours credit.*

Summer Term, and Each Semester.

This course deals with the subject matter and methods of public-school music for ungraded and small schools in third-class cities. Drill in rhythm, intervals and individual singing are included. Students electing music for Certificate for Special Proficiency in Rural-school Teaching should take this course.

9.—Community Music and Chorus Conducting I.* *One hour credit.*

This includes the problems of classifying voices, effective arrangement of parts, selection of material, correct use of baton, and the securing of variation in tempo and dynamics.

9*a*.—Orchestra Study and Conducting II.* *One hour credit.*

A study of the instruments of the orchestra; the possibilities of the high-school orchestra; bibliography of material and practical conducting.

10.—Music Material I, including Chorus Singing I and Conducting.* *One hour credit.*

Each Semester.

A course dealing with the selections and use of sacred and secular music of the various vocal types and bibliography of scores, and a critical analysis of musical content. Required of all music students and members of music organizations.

10*a*.—Musical Material II, including Chorus Singing and Conducting. *One hour credit.*

Credit is allowed nonmusic students only.

11.—Music Appreciation for Beginners. *One hour credit.*

Open to nonmusic students or those who are not specializing in music. The purpose of the class is to acquaint students with standard vocal and instrumental compositions and enable them to listen with discrimination. Students are afforded opportunity for laboratory study of phonograph records and pianola rolls. Current musical events.

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* These courses may be submitted as credit for any certificate and for the diploma conferring the degree of bachelor of science in music, but not for the diploma conferring the degree of bachelor of science in education.

11*a*.—Music Appreciation II. *One hour credit.*

Summer Term, and First Semester.

Prerequisite, Music Appreciation for Beginners.

12.—Music History and Appreciation I. *Two hours credit.*

Summer Term, and First Semester.

Designed for prospective teachers and supervisors. The course deals with the development of music, and is based upon a standard text, illustrated by records and rolls for the mechanical players and special numbers furnished by students and faculty.

13.—Music History and Appreciation II. *Two hours credit.*

Second Semester.

Prerequisite, Music History and Appreciation I. Continuance of the previous course. As a protection against damage to records a small laboratory fee is required.

14.—Technique of Opera.* *Two hours credit.*

First Semester.

A practical study of the various vocal forms, including chant, anthem, cantata, oratorio, and opera. Open to advanced students or especially qualified underclassmen.

15.—Instrumental Ensemble.* *One hour credit.*

Practical work in string quartet, orchestra and wind instruments.

16.—Intermediate Solfeggio.* *Two hours credit.*

Prerequisite, Advanced Sight Singing.

17.—Advanced Solfeggio.* *Two hours credit.*

Drill in advanced and rapid sight reading. Prerequisite, Intermediate Solfeggio.

18.—Solfeggio Review.* *No credit.*

Prerequisite, Advanced Solfeggio.

THEORY, HISTORY AND ANALYSIS OF MUSIC.

19.—Elementary Harmony I and Ear Training. *Two hours credit.*

(Prerequisite for Harmony II.) Notation, writing of major and minor scales, intervals, triads and inversions, simple cadences. All applied to keyboard. Ear training and recognition of melodies containing all the common rhythmic types and figures. Various kinds of measure. Hearing intervals, triads and inversions and simple cadences.

20.—Elementary Harmony II. *Two hours credit.*

Each Semester.

Four-part writing, harmony depending on melody, including use of primary triads and inversions, dominant seventh chords and inversions, in major and minor keys, close and dispersed harmony. Special emphasis is laid upon ear training and keyboard work.

21.—Intermediate Harmony. *Two hours credit.*

Second Semester.

(Continuation of Harmony II.) Four-part writing, harmony depending on melody, including use of primary and secondary triads

* These courses may be submitted as credit for any certificate and for the diploma conconferring the degree of bachelor of science in music, but not for the diploma conferring the degree of bachelor of science in education.

and their inversions, dominant seventh, dominant ninth, leading tone seventh and diminished seventh chords and their inversions in major and minor keys. Close and dispersed harmony. Preparation for modulations.

22.—Advanced Harmony. *Two hours credit.*

Four-part writing, harmony depending on melody. Harmonizing original melodies. Further use of chords already introduced in Harmony I and II, and also secondary seventh chords, altered chords, mixed chords, chromatic passing tones, suspensions, organ point. A thorough study of modulations, including modulation through the diminished seventh chord in its various interpretations, using enharmonic changes. Also through the dominant seventh chords.

24.—Harmonic Analysis and Form. *Two hours credit.*

Analysis of four-part compositions; modulations at the piano. Keyboard demonstration in figured basses, cadences and modulations.

Note.—The above work is planned for supervisors' training courses as especially adapted for high-school music methods.

25.—Counterpoint and Composition I. *Two hours credit.*

First Semester.

Counterpoint applies the principles of harmony to the melodious treatment of the several voice parts in combination. The study of this subject naturally follows that of harmony and develops the contrapuntal facility necessary to all forms of composition. The work includes strict counterpoint; the various orders of modern counterpoint; double and triple counterpoint.

26.—Counterpoint and Composition II. *Two hours credit.*

Second Semester.

Counterpoint in five or more parts; vocal counterpoint analysis; exercises in free composition.

27.—History of Music I. *Two hours credit.*

First Semester.

The course includes the growth of music from ancient to modern times; the history of early church music; the development of musical forms, sacred and secular, and instruments; and the polyphonic era. Required of students in applied music.

28.—History of Music II. *Two hours credit.*

Second Semester.

Modern music and musicians; biographies and the works of the great composers of the classic, romantic and modern schools. The history of the opera, oratorio, symphony, and various other forms are studied in detail.

29.—Elementary Piano Methods.* *No credit.*

Second Semester.

A special course for students preparing themselves as teachers. The work embraces lectures on methods and materials for teaching beginners; papers and discussion by students. Practice teaching.

30.—Advanced Piano Methods.*

A continuation of the preceding course, dealing with methods and material for intermediate students.

* These courses may be submitted as credit for any certificate and for the diploma conferring the degree of bachelor of science in music, but not for the diploma conferring the degree of bachelor of science in education.

31.—Voice Methods I.

32.—Voice Methods II.

33.—Violin Methods I.

34.—Violin Methods II.

35.—Ensemble Playing or Singing I. *One hour credit.*

Required throughout the year of piano certificate students, without credit.

Time to be assigned by the instructor.

Ensemble playing classes in piano and violin meet regularly for the study of concerted music. Four- and eight-hand music and chamber music for stringed instruments form the basis of the work. This practice enables the pupil to become acquainted with many masterpieces and to receive training in sight reading and accompanying.

Credit for orchestra and band is allowed to students who are regularly enrolled.

36.—Ensemble Playing or Singing II. *One hour credit.*

Required throughout the year of piano certificate students, without credit.

Advanced ensemble playing; continuation of course 1.

Time to be assigned by the instructor.

37.—History of Oratorio. *Two hours credit.*

The study and development of sacred music in its larger forms, beginning the mystery and morality plays through the early cantata to the oratorios of Handel, Haydn and Mendelssohn.

38.—Elements of Musical Notation. *Two hours credit.*

The study of the symbols of music from the notation of the Greek to the tablature and neumes of the middle ages, the development of the staff and clefs leading to modern notation. The principles underlying the different methods for rapid reading of modern musical notation.

PIANO.

It is impossible to set down a list of studies to be strictly adhered to, as the needs of the individual pupil must be consulted and the studies varied accordingly. Moreover, new works are constantly being published. These are carefully examined and those of value are used in the course. However, an idea of the work covered in the different years may be obtained from the following:

Elementary Grades. Lambert Pianoforte Method, Lebert and Stark Book One, Crosby-Adams, Burgmüller Op. 100, Loeschhorn, Stamaty, Lemoine, Whiting pedal studies, Bertini, Heller, Preyer Op. 44; sonatinas by Clementi, Kuhlau, Dussek. Major, minor and chromatic scales. Chords of key, and inversions.

Note.—The above corresponds to grades one to six of standard course adopted by the Kansas State Music Teachers' Association.

Students who bring satisfactory statement from previous instructors for the above will be admitted to the intermediate course.

First Year, Intermediate. Technical exercises, scales, arpeggios, octaves. Studies by Arthur Foote, Heller fifty selected studies, Bertini selected studies, Behrens school of velocity. Sight playing.

Second Year, Advanced. Czerny Op. 299, Kullak octave studies. Heller Op. 16, Loeschhorn Op. 67. Continued study of scales, chords, arpeggios. Easier sonatas by Haydn and Mozart. Ensemble playing.

Third Year Certificate Course. Cramer, Henselt, Bach, Heinze Album, Bach two- and three-voiced inventions. Sonatas by Mozart, Beethoven and Grieg. Selections from Chopin, Schumann, Moskowski, MacDowell.

Diploma Course. Czerny Op. 740, Moscheles Studies continued, Study of Bach and Beethoven. Selections from Liszt, Chopin, DeBussy and Brahms. Concerto study.

VOICE.

In no field of music teaching is there greater need for a definiteness which will enable a student to recognize the reasons for and the value of the instruction given than in the field of singing.

In the treatment of voices particular stress is laid upon a proper breath control; independent free action of the jaw, tongue and other vocal organs; the elimination of the so-called breaks in the voice; the development of self-confidence through the establishment of a proper level in tone production (as opposed to the customary notion of mental and vocal adjustment of "high" and "low" tones); the establishment of distinct enunciation, and the development of artistic and individual power of interpretation. In brief, the aim of the instruction given is to secure ease in singing, naturalness in enunciation, and intelligent expression.

The course of instruction has a psychological basis, and a student is enabled to overcome incorrect habits through conscious repetition of specially adapted exercises. The mode of procedure is positive, rather than negative. Having in mind that many of our graduates will be charged with the care of the voices of children and adults, the instructors in the department aim to give the student an understanding of his progress without inducing self-consciousness, and at the close of the period of study a careful analysis of the ground that has been covered.

Contrary to the commonly accepted idea, not a few but the majority may cultivate the art of singing. Persons of average ability with wisely directed training are more likely to make practical use of their gift than those favored with unusual voices but who ignore the value of proper care and training.

An important phase of this individual work deals with the correction of certain vocal defects, and with training which will secure quality and carrying power in the speaking voice through the employment of the high-chest, intercostal breathing of singers, proper voice emission and distinct enunciation.

Preparatory Grade. Fundamental principles of voice building; correct poise with proper breathing; blended scale; diction; stage deportment; sight reading and simple songs in English; Sieder 8-measure Vocalises, Marchesi Opus 2. Beginning piano.

INTERMEDIATE GRADE. Studies for enunciation, rhythm and phrasing; acoustics; sight reading and diction. Exercises for attack, legato and staccato; solfeggio and ensemble practice; vocalises by Concone, Panofka, Lütgen and Shakespeare; ballads and songs by present-day composers in English. Public appearance; piano.

CERTIFICATE GRADE. Vocalises by Marchesi, Op. 3; studies by Panofka, Op. 8; Vaccai; Henneman 101 Master Exercises; shade and tone color; continued studies in enunciation; artistic interpretation; selections from the works of American, English, German or Italian writers in the vernacular; joint recital with one other student of equal grade. Accompanying.

DIPLOMA GRADE. Advanced work in technical studies for phrasing; development of natural style and cultivation of dramatic expression; enunciation; at least four complete major oratorios; six selections from the standard operas in the vernacular; twenty English, French and German classics in the vernacular; practical work in musical pedagogy; full public recital; advanced accompaniments.

VIOLIN.

ELEMENTARY GRADE Careful study in holding the violin, position of the body, placing of fingers in different keys; fundamental principles of bowing. Schools and studies by Wohlfahrt, Hermann, Blumenstengel, Laoureux, de Beriot, Dancla, Kayser, and Wilhelmj-Brown. Violin duets by Mazas and Pleyel. Scale studies in all keys, varied fingering and simple bowing; arpeggio forms in first and third positions; small classical solos with piano accompaniments. Class in sight reading.

INTERMEDIATE GRADE. (Outlined for high-school pupils and adult beginners.) Scales and arpeggio in three octaves by Ysaye and Cesar Thomson. Studies by Kayser, Schradieck, Kreutzer and Siorello. Sonatas by Corelli, Handel, and Beethoven. Concertos and soli: Beethoven; Two Romances, Vieuxtemps; Morceaux de Salon, Wieniawski; mazurkas and concertos by Viotti, Mozart, Kreutzer, Rode, and de Beriot. Orchestral class.

CERTIFICATE GRADE. Advanced scale work in thirds, sixths and octaves by Cesar Thomson. (These scales are not in print, but are given from manuscript.) Advanced studies by Kreutzer, Fiorello, Rode, Gavinies, and Wieniaswski. Bach sonatas for violin alone. Concertos by Mendelssohn, Bruch, Beethoven, Bach (E major), Wieniawski (D minor), Soli by Wieniawski (Polonaises in A and D, Souvenir de Moscow), Scherzo-tarentelle, Sarasate and Saint-Saëns. Sonatas by Beethoven, Cesar Franck, Grieg and Brahms.

DIPLOMA GRADE. Scales and arpeggio in three octaves. Studies by Rode and Gavinies. Concertos and solos: Spohr, Bach, Viotti (22d), Kreutzer (19th), Rode (10th), de Beriot (7th), Solos by Hubay. Orchestral and ensemble classes.

BRASS INSTRUMENTS.

Excellent opportunity, under a trained instructor, is offered to students who wish to learn to play brass instruments and instruments of the wood-wind group. Students who have played instruments of any sort should not fail to bring these with them, even though they have no expectation of studying. The orchestra and Normal band offer opportunities for both pleasure and service to all musical students, whether enrolled in the School of Music or the Normal proper.

FEES AND EXPENSES.

The fees for instruction have been placed at the lowest limit of actual cost for the quality of instruction offered. In private studios the teachers of the School receive double and sometimes treble the tuition rates herein made by the School.

RATES OF TUITION.

A term of music carrying one hour of credit consists of eighteen lessons, two lessons per week for nine weeks, or a half semester.

For a half term of lessons, or one lesson per week, the rate is one-half the tuition for a term plus one dollar.

For a term of eighteen lessons the fees are:

PIANO.

Juvenile course (for children)	$9.00
Advanced course (for children)	10.50
Elementary grade (for high-school pupils)	10.50
Class work in piano	4.50
With student assistant	9.00
Preparatory-certificate grade (adult beginners)	13.50
Intermediate-certificate grade	15.00
Certificate grade	18.00
Diploma grade	18.00
Postgraduate work	24.00
Accompanying	15.00

VOICE.

Preparatory grade	$13.50
Intermediate grade	15.00
Advanced grades	18.00
With student assistant	9.00
Special training for the speaking voice	18.00
Postgraduate	24.00

VIOLIN AND STRINGED INSTRUMENTS.

Juvenile course (in class or with assistants)	$9.00
Preparatory grade	13.50
Intermediate grade	15.00
Advanced grades	18.00
Postgraduate	24.00

THEORY AND HISTORY OF MUSIC.

Harmony, in class	$0.00
History of music, in class	.....
Counterpoint and composition, in class	5.00
Music appreciation	.....
Private lessons in any of the above courses	10.00
Normal piano methods for certificate and diploma grades	5.00
Special methods (not otherwise listed)	25.00

INSTRUMENTS.

Band and orchestral instruments .....$9.00 to $18.00

COACHING.

Sight singing and ear training (with student assistant), per lesson, $0.25
Harmony and counterpoint (with student assistant), per lesson.. .33

RENT OF INSTRUMENTS.

One hour a day for a term of nine weeks. Two or more hours at the same rate:

Piano (55 hours at 3 cents per hour)..... $1.65

The Public-school Music courses are free to any student regularly registered.

Lessons in piano, voice and violin are theoretically half-hour periods; where necessary for the passing to and from the classes the actual time may be twenty-five minutes.

A limited number of free and partial scholarships, it is expected, will be available for talented students who are unable to pay regular rates. These will be granted at the beginning of the year upon written application and examination.

All tuition is payable strictly in advance, at the beginning of each term. Work in this department is suspended on legal and school holidays, as given in the calendar of this catalogue. Students may enter at any time. It is best to enroll at the beginning of a term. All lessons lost by absence or tardiness of the pupil will be the pupil's loss, unless reasonable previous notice of the expected absence is given, in which case the lesson will be made up within the term only. Students must complete a full term of lessons or class work in order to receive a grade for the work. Students leaving or discontinuing lessons during the term time forfeit all payments, except in case of protracted illness, in which case the balance will be allowed upon a subsequent term, or half the loss will be borne by the department. All students who wish to take up work in this department must receive an assignment card from the Director of Music. This card must be stamped by the Registrar and Bursar, presented to the instructor for signature, and returned to the office of the Director of the Department.

Substitution for certain subjects will be allowed upon application to the Director in cases where it is plainly evident that the student's efficiency will be increased by such change.

CREDIT.

Credit is allowed in applied music for work done in known institutions or under private teachers, after registration and satisfactory progress has been made in the subject in which credit is desired.

Students registered in the department are permitted to sing or play in public only upon recommendation from the instructor and permission from the office. Teachers will coöperate in preparing for public performance all students who will be a credit to themselves and to the school.

CURRICULUM LEADING TO TEACHER'S CERTIFICATE IN APPLIED MUSIC.

(PIANO, VOICE, VIOLIN.)

Prerequisite, intermediate and advanced work in major subject (including Elementary Harmony I and II for piano students).

THIRD YEAR.

First Semester.	Second Semester.
Applied Music, 2 hours.	Applied Music, 2 hours.
Harmony III, 2 hours.	History of Music II, 2 hours.
History of Music I, 2 hours.	Normal Methods II (in major subject, including 2 hours of practice teaching), 2 hours.
Normal Methods in major subject (including 2 hours practice teaching), 1 hour.	Individual Recital.

CURRICULUM LEADING TO DIPLOMA IN APPLIED MUSIC.

Prerequisite, certificate requirements, as outlined above.

FOURTH YEAR.

First Semester.	Second Semester.
Applied Music, 2 hours.	Applied Music, 2 hours.
Counterpoint and Composition I, 2 hours.	Counterpoint and Composition II, 2 hours.
Advanced Practice Teaching.	Advanced Practice Teaching.
Ensemble Playing.	Concerto with Orchestra Accompaniment.
Individual Recital.	

All electives in music are to be selected with the approval of the Director of the School of Music.

Candidates for the diploma in piano or violin shall offer fifteen hours of college work, at least ten of which shall be in English.

Candidates for diploma in voice shall offer not less than twenty-five hours college work, of which not less than ten in English and ten in modern foreign languages.

All students enrolled for private study, class work, or in any musical organization are required to attend chorus and rehearsals.

ENTRANCE REQUIREMENTS.

For entrance to all curricula candidate must be a graduate of an accredited high school in Kansas, and submit transcript of record; if he be from another state, that he is a graduate of a high school accredited in the state from which he comes. Write the Registrar for blanks.

For entrance to any vocal curriculum leading to a degree or a diploma the candidate for admission shall furnish proof that he has completed grades one and two of the high-school vocal course of study, and grades one and two of the high-school piano course of study (or their equivalents) as outlined by the Kansas State Music Teachers' Association.

For entrance to any violin curriculum leading to a degree or a diploma, the candidate for admission shall furnish proof that he has completed grades one to six, inclusive, of the high-school violin course (or its equivalent) as outlined by the Kansas State Music Teachers' Association.

For entrance to any piano or organ curriculum leading to a degree or a diploma, the candidate for admission shall furnish proof that he has completed grades one to six, inclusive, of the high-school piano course of study (or its equivalent) as outlined by the Kansas State Music Teachers' Association.

Requirements in music for entrance to any curriculum leading to a certificate shall be the same as those curricula leading to a degree or a diploma.

Students who enter without the full requirements as scheduled above will be required to complete such work in the elementary courses offered in the high school.

CERTIFICATES AND DIPLOMAS.

A certificate to teach music in the elementary school and high school and the degree of bachelor of science in music are given upon the completion of curricula covering two and four years, respectively. For requirements see pages 47, 55, 57.

All applicants for any of these certificates or diplomas should select their courses with the Faculty Adviser for music courses, the Director of the School of Music.

Physical Training.

HARLAN D. MCCHESNEY, Director of Physical Training for Men.
COACH MCLAREN.
DOROTHY VESTAL, Acting Director of Physical Training for Women.
Instructor MCCULLOUGH.
Instructor NORTHRUP.

A special certificate to teach physical training in the elementary school and high school is issued. For requirements for this certificate, see pages 56, 57.

GYMNASIUM COSTUME FOR MEN. The regulation costume is worn in all classes. It consists of a white, sleeveless shirt, white track pants and white tennis shoes. The suit complete can be secured from local dealers at a small cost.

GYMNASIUM COSTUME FOR WOMEN. A regulation costume is worn in all classes. It consists of black serge bloomers, all-white middy blouse and black tennis shoes, and is sold by local merchants.

THEORY.

1.—HISTORY OF PHYSICAL EDUCATION. (Men and women.)
Two hours credit.

Summer Term, and Each Semester.

A library and textbook study of ancient, modern and present-day physical training. A careful study is made of the origin of systems and their adaptation to the educational needs of schools, colleges and nations. (McChesney.)

2.—PLAYGROUND SUPERVISION AND INSTRUCTION. (Men and Women.)
Three hours credit.

Summer Term, and Each Semester.

This course is theory practice. The theoretical work deals with the psychology of play, construction and equipment of playgrounds, adaptation of play to varying ages, organization and daily programs, history and literature of the playground movement. Half the time of this course is devoted to the study and practice of playground games suitable for school children of the intermediate and upper grades. (McChesney.)

3.—Theory of Coaching and Management of Men's Athletics *Three hours credit.*

Summer Term, and Each Semester.

A study is made of the different methods of teaching and coaching the major sports. The student gets a working knowledge of the finer points of football, baseball, basket ball and track athletics.

5.—Physiology of Exercise. (Men and Women.) *Three hours credit.*

Summer Term, and Each Semester.

Physiology of Exercise is a discussion of the effects of physical exercise on the body. The reactions the various organs undergo, normally, etc., their continuity, coördination and integration.

4.—General Technique. (Men.) *Two hours credit.*

Summer Term, and Each Semester.

In this course are given methods of handling classes in different phases of work. A critical study is made of tactics, gymnastics, folk dances, games and apparatus work, and their relation to the school curriculum. (McChesney.)

5*s*.—The Boy Scout Movement. (Men and Women.) *Two hours credit.*

Summer Term.

A study of the Boy Scout, Girl Scout, and Camp Fire Girls organizations.

For school superintendents, teachers, scout masters, and others. The value of scouting; analysis of the various activities as to their hygienic, physical, mental, and moral values; the adolescent during the scouting age. Practice in all the principal scouting activities and requirements; methods of establishing and maintaining scouting as a community enterprise. (McChesney.)

6.—Applied Anatomy. (Men.) *Two hours credit.*

Summer Term, and Each Semester.

The practical application of anatomy from the standpoint of the physical director and athletic coach, with particular attention to the action and coördination of the muscles. (McChesney.)

6*a*.—Applied Anatomy. (Women.) *Two hours credit*

Second Semester.

Study and coördination of muscles from the standpoint of physical training. (Vestal.)

8.—Methods of Physical Training. (Women.) *Two hours credit.*

First Semester.

Open only to freshmen and sophomores. If taken by juniors or seniors only one hour credit will be given. In this course are given methods for handling classes in the different phases of work. A critical study is made of tactics, gymnastics, folk dances, games and apparatus work, and their relation to the school curriculum. (McCullough.)

10.—Anthropometry.* (Men.) *One hour credit.*

Summer Term, and Each Semester.

Methods of measuring and testing the body, examination of the special senses, vitality and efficiency tests. Anthropometric charts, etc. Determination of normal and abnormal variations.

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* This course cannot be submitted as credit for the degree of bachelor of science in education.

11.—KINESIOLOGY. (Women.) *Three hours credit.*

Second semester.

Prerequisite, Human Anatomy. Students in this course are given two hours of lecture work a week and are required to do practice-work teaching three hours a week in a corrective class. In this course are taught massage movements for the different parts of the body. Exercises are also given for drooping head, round shoulders, hollow back, spinal curvature and other malpositions which should be corrected in the schoolroom. (McCullough.)

PRACTICE.

MEN'S DEPARTMENT.

Freshman and Sophomore years.

Required, one hour per semester (two or three periods per week in gymnastics or athletics for one hour credit).

In the practice of indoor and outdoor sports, attention is given to form and technique; adaptability of the individual to the various sports; conditions; rules and methods of scoring; team work and strategy. Teams for intercollegiate competition are maintained in football, basket-ball, track athletics and tennis.

The rules governing eligibility for participation in intercollegiate contests are those of the Kansas College Athletic Conference.

2.—ELEMENTARY GYMNASTICS. *One hour credit.*

Marching tactics, free-hand and light apparatus exercises and gymnastic games. Special attention is given to the correction of faulty posture and carriage of the body.

3.—INTERMEDIATE GYMNASTICS. *One hour credit.*

Body building and corrective exercises, gymnastic dancing steps, heavy apparatus exercises, and elementary tumbling. Prerequisite, course 2.

4.—ADVANCED GYMNASTICS. *One hour credit.*

Offered the third and fourth terms to those prepared to take up athletics and folk dancing, individual and companion tumbling, and difficult exercises upon the heavy apparatus. Prerequisite, courses 2 and 3.

7.—FOOTBALL. *One-half hour credit.*

Given during the fall, only to men in good physical condition as shown by physical examination. The squad is divided into teams according to ability.

8.—BASKET-BALL. *One-half hour credit.*

Classes are organized throughout the year. Class squads are organized from which teams are chosen for the interclass series. These games are played as curtain raisers to the intercollegiate games.

9.—BASEBALL. *One-half hour credit.*

Given in season. Individual and team practice. The squad is divided in teams graded according to ability.

10.—TRACK AND FIELD ATHLETICS. *One-half hour credit.*

Given in season, only to men in good physical condition as shown by physical examination. Cross-country running is given in season.

11.—Field Hockey. *One-half hour credit.*

Given in season, only to men in good physical condition as shown by physical examination.

12.—Tennis. *One-half hour credit.*

Given in season. Tournaments in both singles and doubles are held.

13.—Swimming. *One-half hour credit.*

Elementary and advanced instruction is given throughout the year.

WOMEN'S DEPARTMENT.

Purpose: The aim of the department is twofold: First, to bring each student to her best possible physical condition, and by a careful system of gymnastic training to correct faulty posture and carriage, to aid in the formation of habits of hygienic living, to establish a normal condition in the circulatory and respiratory systems, to secure bodily vigor, and to obtain a healthful and systematic development, rather than to secure the greatest increase in muscular power. Students are under the care of teachers who have had thorough medical training, and will be given special medical or corrective exercises prescribed according to individual needs as indicated by their physical examinations. In order that the effect upon muscles may be lasting and best results be obtained, students will not be excused from physical training until the required courses are satisfactorily completed, but the work will always be adapted to the individual needs. Second, to qualify them, as teachers, to intelligently consider the physical needs of their pupils, and to direct in the schoolroom daily exercises which will prevent or help to correct physical defects; also to teach in their playgrounds athletics, games, and folk dances.

Freshman and Sophomore years.

Required, one hour per semester. (Three periods of work per week in gymnastics, athletics or other elective work during one semester of eighteen weeks gives one hour credit.)

2.—Elementary Gymnastics. Required of all beginners. Three periods a week for one semester.

3.—Intermediate Gymnastics. For students who have completed course 2, or its equivalent. Three periods a week for one semester.

4.—Advanced Gymnastics. Open only to students who have passed course 3 with high grades and physically adapted to apparatus exercises, and to special students.

5.—Methods in Floor Work. For all students during their second year of college work who have completed course 2. Three periods a week, two of which are floor work, and one a lecture. Special attention is given to gymnastics, games and folk dances, suitable for the schoolroom and playground.

During each half semester the lecture is given in the corrective department, where exercises and prescriptions are taught that may be used to correct common physical defects in children and older girls.

7.—Corrective Gymnastics. Open to all students who have need of remedial work. Special attention is given to those having spinal curvature, round shoulders, narrow chests, forward heads, weak backs, pronated ankles, or other physical weakness.

8.—Outdoor Sports. Open to all students who have completed two terms of gymnastics. Three periods a week in season. In this course are taught a variety of games, including baseball, soccer, playground ball, cross ball, track athletics and relay racing.

10.—Basket-ball. Open only to students who are physically qualified and who have passed course 2.

11.—Baseball. One period a week in season.

12.—Hockey. One period a week in season.

13.—Tennis. Open to all students having the privilege of electing athletics. One, two, or three periods a week.

14.—Swimming. One lesson a week is allowed each student.

26.—Æsthetic Dancing (elementary). Two periods a week. The purpose of this course is to develop grace and freedom of movement. The classic dancing is emphasized, and is now considered one of the most important phases of gymnastic exercise.

27.—Folk Dancing (intermediate). One period a week. In this course are taught the simple peasant and national dances suitable for recreative and exhibition work with children.

28.—Æsthetic Dancing (intermediate). Open to all students who have completed course 26.

29.—Folk Dancing (intermediate). One period a week. Open to all students who have completed course 27.

30.—Advanced Æsthetic Dancing.

31.—Advanced Folk Dancing.

Physics.

Professor Drake.
Instructor Van Voris.

This department is located on the third floor of Norton Science Hall, occupying a suite of the following rooms: Lecture room, elementary laboratory, advanced laboratory, radio laboratory, photographic laboratory, department library, and office. Comprehensive equipment is furnished for the elementary and advanced courses. Electric current is supplied to all parts of this floor from a thoroughly up-to-date type of switchboard designed and built in this department. A gasoline engine and other farm, home and school appliances are provided for study purposes.

1.—Mechanics, Sound, and Heat. *Five hours credit.*

Summer Term, and First Semester.

Prerequisite, one year each of Algebra and Geometry, and High-school Physics, or Physics 5. It is recommended that trigonometry be taken before this course or at the same time with it. The subject matter is presented with the view of furnishing a practical knowledge as well as the development of the cultural aspects. (Drake.)

2.—Light, Magnetism, and Electricity. *Five hours credit.*

Summer Term, and Second Semester.

Prerequisite, course 1 or its equivalent. The viewpoint is the same as in the previous course. The application of light and electricity in the home, on the farm, and in the school are taken up in an applied way. (Drake.)

3.—Radio-telegraphy. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, course 2 or its equivalent. This course will cover the theory and practice of radio work. The laboratory work will consist of setting up actual apparatus, tuning, measuring waves, experimenting with detectors, and becoming acquainted with the various parts and kinds of wireless equipment, practice in sending and receiving. The department is equipped with sending and receiving sets. (Drake.)

4.—Advanced Light. *Two hours credit.*

Second Semester.

Prerequisite, same as in course 3. Problems and experiments relating to illumination, the eye, the microscope, telescope, spectroscope and spectrometer, polarized light, the stereopticon, reflectoscope and the moving picture machine. (Drake.)

5.—General Physics. *Five hours credit.*

First Semester.

A rapid survey of the whole field of physics with the cultural aspects emphasized. Designed for those who do not offer physics for college entrance. (Drake, Van Voris.)

6.—Household Physics. *Three hours credit.*

First Semester.

Designed for those specializing in Home Economics. It consists of a course of lectures, assigned readings, and laboratory work treating of labor-saving devices in the home, the principles of heating, ventilating, and lighting, of color phenomena, thermal principles employed in cooking devices, musical instruments, and of electrical appliances used in the home. (Drake, Van Voris.)

7.—Farm Physics. *Five hours credit.*

Second Semester.

Prerequisite, High-school Physics, and a specializing in Agriculture. It takes up soil physics, farm machinery, electric and other light for the farm home, road making, rope tying, and such other topics as will give the best preparation in this line of work. (Van Voris.)

8.—Gas Engines and Automobiles. *Three hours credit.*

Summer Term, and Second Semester.

Open to all students who have had High-school Physics. Types of engines, cooling systems, valves, ignition systems, fuels, carburetors, governors, care and management of, engine troubles, auto unit power plant, auto troubles, horsepower of, materials and designs for special uses. (Van Voris.)

9.—Elements of Electrical Engineering. *Three hours credit.*

Prerequisites, High-school Physics and course 2; course 2 may accompany this course. A practical vocation course including house wiring, the study of generators, motors, storage batteries, lighting plants, ignition systems, transformers, converters and of projection apparatus, including the use of moving picture machine. This course

is planned for teachers of manual training, physics or for students who may later enter an engineering school. (Drake.)

50.—Teaching of High-school Physics. *Two hours credit.*

Summer Term, and Second Semester.

Open only to those specializing in this department as a teachers' course and might well be taken in connection with practice teaching. Students must have had at least ten hours of College Physics before undertaking this course. The organization of secondary physics courses, the equipment of laboratories, economical purchase of apparatus and supplies, care of apparatus, arrangement of laboratory, and a thorough examination of the state text and manual, are some of the matters dealt with in this course. (Drake, Van Voris.)

52*a*.—Advanced Mechanics. *Two hours credit.*

Summer Term, and first half of First Semester.

Prerequisites, courses 1 and 2, and Trigonometry. Practical problems and experiments related to forces in commercial structures, work, power, electricity and mechanics of fluids. (Drake.)

52*b*.—Advanced Heat. *Two hours credit.*

Second half of First Semester.

Prerequisites, same as for 52*a*. Problems and experiments related to fuels, calorimetry, steam and gas power plants, gas engines and refrigeration plants. (Drake.)

53.—Advanced Magnetism and D. C. Electricity. *Four hours credit.*

Second Semester, and even summers.

Prerequisites, same as for 52*a*. Problems and experiments in magnetism and electrical experiments, study and use of direct-current instruments and machinery. (Drake.)

54.—Advanced A. C. Electricity. *Three hours credit.*

Second Semester, on demand.

Prerequisite, course 53. Practical problems and experiments in alternating-current electricity, study and use of alternating-current instruments and machinery. (Drake.)

55.—Advanced General Physics. *Five hours credit.*

Prerequisites, courses 1 and 2, and Calculus. This course is designed for those specializing in physics and mathematics, and for those who expect to take graduate work. It takes up an advanced treatment of the principles of general physics from the mathematical standpoint. (Drake.)

Physiology and Hygiene.

Professor White.
Instructor Granger.

1.—Fundamentals of Physiology. *Three hours credit.*

Summer Term, and Each Semester.

An elementary course with College credit for those students who have not taken physiology in high school, and will satisfy the three-year certificate requirement in physiology for these students. The work will consist of a comprehensive discussion of the basic principles of physiology, and emphasis will be laid upon the relation of the body functions to personal efficiency. From time to time laboratory apparatus and sections of normal tissue will be used to give a better idea of the subjects under discussion.

5.—Hygiene and Sanitation. *Three hours credit.*

Summer Term, and Each Semester.

A course dealing with the practical phases of hygiene and sanitation as it affects the conditions under which we live and exist. A few of the subjects taken up will be as follows: Air, humidity and its effect on health; ventilation; dust and its removal; heating systems, methods, etc.; water—composition, properties, impurities, purification systems, filtration, sedimentation, reservoirs, watersheds, chemical tests, etc.; sewage removal, disposal plants, plumbing; garbage disposal; food—adulterants, laws applying, preservatives, energy value, etc.; exercise; clothing; personal hygiene, industrial hygiene, effects of certain occupations, etc.; length of working day; school hygiene, site, structure, medical inspection of, etc.; military hygiene; naval hygiene; soil; habitations—site, walls, foundations, roof; flies, mosquitoes, etc.; disease—epidemics, immunity, susceptibility, vaccination; disinfection—methods, etc.; quarantine—laws and customs in different localities; vital statistics. Practical field trips will be taken to observe dust removal, ventilation systems, heating plants, refrigeration plants, slaughterhouses, garbage incinerators, waterworks systems, etc.

7.—Histology. *Two hours credit.*

Second Semester.

A study of the structure of the organs and tissues of the body, both macroscopic and microscopic, including the glands, blood vessels, muscles, nerves, skin, kidney, liver, stomach, pancreas, spleen, etc. Laboratory work will be an integral part of the course. The permanent mounts of sections of tissue will be the property of the individual students at the completion of the course, and will be invaluable for illustrating work in physiology, for the teacher who wishes to get permanent results.

8.—School and Personal Hygiene. *Three hours credit.*

Summer Term, and Each Semester.

This course will take up particularly those problems arising in the hygiene and sanitation of the public school and grounds. It will also emphasize personal hygiene as it is related to the pupil and to the teacher; personal prophylaxis and how to encourage it will also be carefully considered. The school nurse and medical inspection of schools will be important topics.

50.—Advanced Physiology. *Five hours credit.*

Summer Term, and Each Semester.

Prerequisite, a high-school course in physiology, or course 1. Frequent illustrations of the subject under consideration will be given by use of laboratory apparatus and methods. In addition to a careful discussion of the functions of the blood, lymph, digestive tract, nervous system, skin, glands, respiratory organs, muscles, etc., conference topics will be assigned to each student during the course, on pertinent subjects on which students will be asked to make special research and read the results of their investigations in class.

51.—Physiology of Alimentation and Dietetics. *Two hours credit.*

Second Semester.

Particular stress will be laid upon the study of the action of the enzymes and the secretions of the glands of the stomach and intestines, also the secretions of the salivary glands of the stomach and intestines, also the secretions of the salivary glands and pancreas. The process of absorption, assimilation, emulsification, saponification, and their relation to nutrition, are studied in detail.

The calorie values of the constituents of food are given proper consideration, and the proper amount of each constituent in a daily diet with relation to the amount of physical or mental work done. A careful study of the bacteria of the alimentary tract, and conditions under which they multiply, will also be included. Prerequisite, course 1 or General Chemistry.

53.—Human Anatomy. *Five hours credit.*

First Semester.

A thorough study of the bones, muscles, and internal organs. Prerequisite, Advanced Physiology.

Psychology and Philosophy.

Professor Triplett.
Associate Professor DeVoss.

PSYCHOLOGY.

1.—General Psychology. *Three hours credit.*

Summer Term, and Each Semester.

A systematic treatment is given with some attempt at pedagogical application. Some experimental work in the line of illustration, a number of class experiments, and special topics for individual study and report are given.

2.—Elementary Educational Psychology. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, High-school Psychology. This course is not open to students who have taken General Psychology. The course deals with the psychology of the learning process of school children.

3.—Child Psychology. *Two hours credit.*

Each Semester.

Course 1 or 2 is a prerequisite. Treats generally of the mental development of children, aiming to give a point of view. Seeks to give a knowledge of the nature and needs of the child at the different periods of his growth. Direct observations are made and various investigations studied.

4.—Genetic Psychology I. *Two hours credit.*

First Semester.

Prerequisite, course 1 or 2. The study of the behavior of animals and primitive man with the purpose of giving an understanding of the beginnings and development of institutions and human activities which are of importance to-day. The problem of learning is studied from the genetic standpoint.

6.—Social Psychology. *Two hours credit.*

Second Semester.

Prerequisite, course 1 or 3. A study of those interests and instinctive tendencies of the mind that are the result of the community life of the race. It is meant to throw light on the nature of society and to give a basis for a more truly social pedagogy. This course may be taken as a part of six additional hours in professional requirements.

7.—Clinical Psychology. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 1 or 2. Many of the intelligence tests now published are examined. A number of them are used. The students

are trained in the use of intelligence tests. A clinic is conducted in which retarded, dull, and superior children are studied.

50.—Psychology of Religion. *Two hours credit.*

On demand.

Prerequisite, course 1 or 2. A study of the psychological phases of religion, with the aim of improving the quality of religious pedagogy, particularly in high school, in Sunday school, and in missionary work. This course may be taken as a part of the six additional hours in professional requirements.

52.—Educational Psychology. *Three hours credit.*

Summer Term, and Second Semester.

Prerequisite, course 1 or 2. In this course important topics in psychology are treated in their educational aspects. Many of these—of the utmost value for the teacher—such, for instance, as the learning process, economical methods of memorizing and making associations, the education of the senses, intelligence tests, etc., have little or no space is the ordinary textbooks. Each student also, as a special study, is required to deal with the psychology of some subject in the curriculum, as the psychology of spelling, of reading, of arithmetic, and the like.

53.—Psychology of Adolescence. *Three hours credit.*

Summer Term, and First Semester.

Prerequisite, course 1 or 2. A study of the important physical, mental and moral changes which are natural to adolescence. Given with the aim of laying a foundation for the pedagogy of secondary instruction.

55.—Abnormal Psychology. *Two hours credit.*

First Semester.

Prerequisite, sixty hours of college work. A study which includes disturbances and defects of personality. A study of the morbid and pathological, of the various phases of the psychology of tension and catharsis, the methods of psycho-analysis, including the association method and hypnotism.

56.—Vocational Psychology. *Two hours credit.*

Second Semester.

Prerequisite, course 1 or 2. Education has become interested in the task of finding how it may better ascertain and direct the vocational interest of children. This course presents some of the problems and methods of the branch of applied psychology which deals with individual differences in mental constitution and which has given us a beginning in the work of vocational direction.

57.—Genetic Psychology II. *Two hours credit.*

Second Semester.

Prerequisite, course 1 or 2. A study of the behavior of primitive man, tracing his mental, moral, religious, æsthetic, social and industrial development in those aspects which concern the genesis of the subject matter of education. A special reference to the mental life of the child among primitive people.

PHILOSOPHY.

60.—Ethics. *Two hours credit.*

First Semester.

This course begins with a study of the developmental side of the subject. Attention is then given to the systematic side and practical applications made.

61.—History of Ancient and Mediæval Philosophy. *Two hours credit.*
First Semester.
This course includes (1) Greek and Roman philosophy, with the emphasis on Plato and Aristotle; (2) a rapid survey of early Christian and scholastic philosophy.

62.—History of Modern Philosophy. *Two hours credit.*
Second Semester.
Presenting modern philosophy from Descartes to the present.

63.—Philosophical Systems. *Three hours credit.*
Second Semester.
A systematic study of historical and current systems, such as materialism, realism, the various brands of idealism, etc.

64.—Problems in Modern Philosophy. *Two hours credit.*
First Semester.
A study of certain tendencies in modern thought, such as absolute idealism, pragmatism, Bergsonism, etc. The content of this course varies with the time of offering it. Timeliness is made the guide.

Public Speaking and Expression.

Professor Gilson.
Instructor Trice.
Instructor Parsons.

It is the purpose of the Department of Public Speaking and Expression to enable its students to speak the English language distinctly and correctly; to express the masterpieces of literature with true meaning and feeling; to address an audience easily and effectively; and to have so thorough a knowledge of the methods used that they may teach the subject wisely.

All courses offered are limited to twenty students.

Private Lessons. It is necessary that the student who majors in this department have much individual work. For this, the private lesson is offered, to be arranged after consultation with the head of the department. A special fee is required. Persons interested should consult Professor Gilson.

1.—Oral English. *Three hours credit.*
Each Semester.
Prerequisite to other courses. This is a beginning course and gives a general survey of Public Speaking and Expression and is introductory to more specialized courses. Its aim is to create within the student correct speech habits as to language, voice, pronunciation, and thought process. The course includes much drill in platform work, both in extemporaneous speaking and oral interpretation of literature.

2.—Fundamentals of Expression. *Three hours credit.*
Summer Term, and Each Semester.
A course in the underlying principles of expression, including training in voice, pronunciation and bodily expression as applied to interpretation of literature. The course is designed to help teachers make all oral exercises in the classroom intelligent and pleasing. Some practice will be given in story telling, and causes and remedies for defective speech will be considered. (Gilson, Trice.)

3.—PUBLIC SPEAKING *Three hours credit.*

Summer Term, and Each Semester.

A course in extemporaneous speech. Phillip's Effective Public Speaking is used as a text, and much drill is given in the presentation of speeches. The aim of the course is principally to give the students ease and effectiveness in public speech. (Gibson.)

4.—STORY TELLING. *Three hours credit.*

Each Semester.

Prerequisite, Fundamentals of Expression. Aims to develop in the student the power to discover in the world's literature, in history and in life the best stories for education, and to tell them well; also to foster creative work in arranging stories from classic and historic sources for presentation in special grades, including high school. (Gilson.)

6.—DRAMATICS. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 1, or its equivalent. A course in presentation of farces and plays. The aim of the course is to gain a clear understanding of the dramatic form in literature and to give the student practical knowledge of how to stage a play. (Gilson.)

7.—ADVANCED PUBLIC SPEAKING. *Three hours credit.*

Each Semester.

Prerequisite, course 2, and Composition and Rhetoric I. This course is a continuation of course 2. Winan's Public Speaking is used as a text. Careful attention is given to the delivery and construction of the speech.

9.—ADVANCED EXPRESSION. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, course 1. A continuation of course 1. Drill in platform work, arranging programs, making readings from stories and plays. (Gilson.)

10.—ARGUMENTATION AND DEBATE. *Three hours credit.*

Each Semester.

A good text is used for the basis of actual work in debate. The matter of debate work is considered both as to form and matter.

52.—THE OCCASIONAL ADDRESS. *Two hours credit.*

Each Semester.

Prerequisite, courses 1, 4 and 5. This course consists of a study of the formal lecture. It gives special attention to addresses appropriate for commencement, Memorial day, the banquet and the chautauqua.

53.—PLATFORM READING. *Two hours credit.*

Each Semester.

Prerequisite, courses 1, 2, 4 and 5, also three hours of Literature. This course is intended especially for those who wish further training in platform art. Each student will prepare a short program taken from standard literary material. (Gilson.)

59.—METHODS IN ORAL ENGLISH. *Two hours credit.*

Second Semester.

Prerequisite, courses 1, 2 and 4. A pedagogical course dealing with the teaching of the following forms: Reading, extemporaneous speaking, debate, orations, school plays. (Gilson.)

54.—Pagentry. *Two hours credit.*

Summer Term.

A course designed primarily to enable teachers to write and produce pageants in their community. It will cover such points as writing and staging a pageant, also costume, music, and dancing in their relation to pageantry.

School Administration.

Professor Carothers.
Associate Professor De Voss.

10.—Educational Measurements I. *Two hours credit.*

Summer Term, and Each Semester.

Prerequisite, Elementary Instruction. A course for teachers and students in which they study the functions of examinations and tests. The students are instructed in the use of standardized tests and measuring devices. They are made acquainted with typical measuring devices for each of the school subjects and are taught the methods of tabulating and interpreting scores. Actual classroom situations are studied.

12.—The Junior High School. *Three hours credit*

Summer Term, and Second Semester.

A study of the causes which combine to make the Junior High School a fundamental unit in our system of education. The aim, purpose and method of the Junior High School are considered, together with the question of its adaptation to middle-western conditions. The course is designed for those preparing for junior high-school work and students of education.

50.—History of Education. *Two hours credit.*

Summer Term, and First Semester.

Emphasis is placed on the modern aspects of the history of education. The aim of the course is to give the student a perspective of the modern school and to throw light on problems of the present time by the aid of past experience.

52.—Educational Measurements II. *Two hours credit.*

Second Semester.

Prerequisite, Educational Measurements I. This is a study of statistical methods, as applied to educational situations. The methods of devising and standardizing educational tests, the use of educational tests in school surveys, and the diagnosis of classroom situations, are also studied.

53.—Supervision of Instruction. *Two hours credit.*

Summer Term.

This course is an inquiry into the nature of supervision and an exposition of specific measures that may be taken to improve instruction. It can be pursued to better advantage after a course in Educational Measurements.

55.—Principles of Education. *Three hours credit.*

Summer Term, and Each Semester.

For students who have completed sixty hours of College credit. The course is devoted to the consideration of the basic principles underlying the educative process and the progress of society through educational agencies. Special attention is given to the curriculum, its organization and administration.

60.—Educational Administration. *Three hours credit.*

First Semester.

This course is designed for students who are preparing definitely for administrative work in education. It consists of the study of the larger problems of educational administration and especially with city school surveys. It is an advanced course and should not be taken, except in rare cases, before the senior year.

62.—High-school Administration. *Two hours credit.*

Summer Term, and Each Semester.

Historic sketch of secondary education; growth of secondary education in Kansas; survey of high schools of the state; problems of discipline; athletics; schedule-making; teaching pupils to study; the library; the village type of mind and its bearing on school administration.

This course is for the principals and superintendents of small towns and deals with the school system from the point of view of the village community.

This course not open to students who have credit in Administration of the Small Town and Rural High School.

Rural-School Administration.

Professor Culter.
Instructor Smith.

1.—Rural-school Administration. *Two hours credit.*

This course is intended for those who are interested in rural schools or intend to teach in consolidated or small village schools. It consists of a study of the school site and grounds, modern schoolhouses, school hygiene and sanitation, training of teachers, play and playgrounds, the library and its uses, agriculture, consolidation, standardization of rural schools, etc. Emphasis will be placed on conditions as they exist in the country, and how to bring about a closer union of school and home.

This course not open to students who have credit in Graded-school Administration or Graded-school Mechanics.

2.—Rural-school Instruction. *Three hours credit.*

Summer Term, and Second Semester.

This course satisfies the former requirement of three hours of general methods and observation. Its aim is to give the student instruction in how to teach the common branches of the rural-school curriculum. Some of the underlying principles of general methods will be studied, and then their application to specific subjects will be considered. The motivation and socialization of subjects in the country school program and the primary work of the rural school, such as primary reading, number work, seat and language work, will receive attention.

This course is not open to students who have credit in Methods in Elementary Instruction.

3.—Grade-school Mechanics. *Two hours credit.*

Classroom organization and routine; the daily program and regular and special reports; tests and measurements; selection and care of equipment; the problems of discipline; professional relationships and professional ethics. A consideration of how the teacher may coöperate with the supervisor and administrator.

This course is not open to students who have credit in Graded-school Administration or Rural-school Administration.

5.—Rural-school Instruction and Administration.
Five hours credit.

First Semester.

This course gives instruction in the teaching of the common-school subjects, adapting methods and plans to conditions found in the rural schools. Combined with this course is the course in Rural-school Administration. This course satisfies the life certificate requirements for methods and school administration.

This course is not open to students who have credit in Methods in Elementary Instruction, Graded-school Administration or Graded-school Mechanics.

8.—Rural Life Problems. *Three hours credit.*

Summer Term, and Second Semester.

This course consists of a discussion of the problems of rural life under the general topics of The Rural Problem, Rural Industrial Problems, and Rural Social Problems. We consider the specific problems of isolation, tenancy, roads, movement of farm population, home environments, schools, the church, farm organizations, social life, etc.

9.—Rural Sociology. *Three hours credit.*

Second Semester.

A study of social conditions and problems in rural districts and villages. An analysis is made of the various agencies for rural betterment, such as the need of amusement, social organization and co-operation, school and church centralization. Particular attention is paid to Kansas conditions.

10.—County Supervision. *Four hours credit.*

Upon sufficient demand.

In this course a study is made of certain sections of the Kansas school law, comparing our laws with those of other states. Other subjects considered are office work and the making of official papers, organization and administration of rural schools, maintenance of schools, supervision of rural schools, schoolhouse and grounds, consolidation, etc., using as a text Cubberley's Rural Life and Education and the Twelfth Yearbook of National Society for the Study of Education. This course is offered by correspondence.

11.—Rural Economics. *Two hours credit.*

In this course the theories of economics most prominent in agriculture are emphasized. The illustrative material used is drawn mainly from farm sources. It is intended to make the course as distinctly practical as possible.

12.—Practice Teaching in Rural Schools. *Four hours credit.*

An opportunity will be given students to do four hours of their practice teaching in a rural or small town school. For a detailed account of this course see, The Teacher Training System.

50.—State and County School Administration. *Three hours credit.*

Summer Term.

The work of this course will be based on Cubberley's Source Book in the above subject. Division 1 of this text treats of American Federal and State Policy; division 2, of State Administration Organization; division 3, of Extent of the Educational System; division 4, of Financing the School System; division 5, of Material Environment and Equipment; division 6, of The State and the Teacher; and division 7, of The Oversight of the State.

As this is a source book, no principles are established nor conclusions drawn. These will be left for the class to formulate. The class work will be conducted in the following manner: One member of the class will be assigned a certain topic, as Training of Teachers. He will study the subject, write his conclusions, and present them to the class. In the meantime the class will have studied the subject, and when the paper is presented the class will be ready to discuss and criticize the conclusions of the one who has made a special study of the subject. In this way each one will make a thorough study of a few topics and get a general view of all the work.

51.—Foreign Rural-school Systems. *Two hours credit.*

Summer Term.

A study of the school systems of Denmark, Switzerland, Germany, France, Great Britain, etc., will be undertaken in this course. Their suggestions for modifications of our school system will be considered. Later a course in American school systems will be offered. These courses will be of interest to superintendents of counties and small towns.

52.—Administration of Small Town and Rural High Schools. *Three hours credit.*

A consideration of the problems of organization and administration of schools in rural communities and in towns of less than four thousand population. This course is designed primarily for persons who are engaged or expect to become engaged in administrative school work outside of our large towns.

The superintendent as a social and educational agent. A careful study will be made of the work of the superintendent in administration of the school, in interpretation of the courses of study, the supervision of instruction and recreation, the study of pupil and community needs and as the head of a community center social and educational institution.

This course is not open to students who have credit in High-school Administration.

53.—Rural-school Seminar.

By consultation with the head of this department some rural school problem, or rural school survey may be worked out. The number of hours credit will depend upon the amount of work required for completing the project.

Sociology and Economics.

Professor Myer.

SOCIOLOGY.

1.—Principles of Sociology. *Three hours credit.*

Summer Term, and Each Semester.

Prerequisite, Psychology. The first half of the semester outlines the general field of sociological theory, literature and thought, with a textbook, assigned readings, papers and discussions. The second half of the semester will be used in investigating a variety of topics dealing with dependents, defectives and delinquents, sociological legislation and reform, rural and urban life. Lectures, assigned readings, reports and term papers.

50.—Sociological Problems. *Two or four hours credit*

On demand.

Prerequisite, General Sociology. The nature of the work will vary from semester to semester, a part of it being in advanced theory and part in detailed topical investigation.

51.—Social Pathology. *Two hours credit.*

Prerequisite, General Sociology or Clinical and Abnormal Psychology. This course is a general study of dependents, defectives and delinquents. Special attention will be given to conditions in Kansas and the penal, charitable and educational institutions established to care for the poor, the insane, the unfortunate and the criminal. Various plans for improving present conditions will be investigated and the best scientific thought along these lines elaborated.

52.—Educational Sociology. *Three hours credit.*

Each Semester.

Prerequisite, Psychology. The most remarkable developments in the educational field in the past few years have been along social lines. The individualistic point of view is giving way to the social, and the school is becoming more and more a part of community life. The affiliation of the school with the home and the church, with industry and the government, must be made more complete and perfect. To emphasize this broader point of view, and to trace fully the relation of the school to the other educational institutions of life, is the purpose of educational sociology.

53.—The Socialization of the Curriculum. *Two hours credit.*

On demand.

Prerequisites, Methods in Instruction, General Psychology, also General Sociology unless special permission of the instructor is secured. A seminary course consisting of detailed studies of the means and methods of working over each subject in the public-school curriculum so that it will fit the pupil most easily and effectively for meeting the actual conditions of life outside the schoolroom. May well be taken in connection with Educational Sociology.

ECONOMICS.

1.—Principles of Economics. *Three hours credit.*

Summer Term, and Each Semester.

A brief survey of the principles of economics, with a preliminary application of these principles to existing business conditions. Special attention will be devoted to local and national politico-economic questions before the public at the present time. In so far as possible it will be an applied rather than a theoretical course, and will be of especial advantage to debaters and those interested in public affairs.

51.—Money and Banking, and Public Finance. *Four hours credit.*

First Semester.

Prerequisite, Principles of Economics. The first half of the semester is devoted to the general history and principles of money and credit, banking history, theory and practice, and some of the financial problems of the day. The last half of the semester will be devoted to public finance. This course includes an analysis of the fundamental principles of national finance as shown in the leading revenue systems of the world; the variety, nature and workings of the different elements of taxation in our national, state and municipal budgets, and a study of the specific tax problems before the state of Kansas.

By special consent of the instructor and adviser the two parts of this course may be taken separately and two hours credit given to each.

52.—Commercial and Industrial History. *Three hours credit.*

First Semester.

A history of commerce. It traces the rise of trade and commerce in ancient times, its development during the Crusades and the age of the Hanseatic and other commercial leagues, and its enormous expansion in recent times; also the effects of geographical conditions, customs and economic ideas upon commerce, and its reactionary effect of commerce upon civilization and national development. It embraces a review of the colonial industrial system, the growth of manufactures, the internal improvement and tariff questions, the development of our banking and currency systems, and the rise and treatment of our trust and monopoly problems.

53.—Labor and Transportation Problems. *Four hours credit.*

Second Semester.

Prerequisite, Principles of Economics. A brief history of labor organizations, with a preliminary study of such problems as the union label, strikes and boycotts, workingmen's insurance, employer's liability, profit sharing, and labor legislative programs. This will trace briefly the history of transportation in the United States and Europe, then take up the problems of the tariffs, capitalization, organization, judicial control, state regulation of our railways, and a brief review of our maritime and inland waterway policies.

TEACHER TRAINING SYSTEM.

H. G. Lull, Director.

Introductory Subjects.

Professor Lull.
Professor Culter.

1.—Elementary Instruction. *Three hours credit.*

Not open to students who have credit in Rural-school Instruction.

Prerequisite, Elements of Psychology, or Elementary Educational Psychology. High-school Psychology is not a prerequisite for this course. This is a foundation course for teachers and must be taken as a prerequisite to Kindergarten Play Materials and Primary Methods. It must also be taken by all students who are candidates for the Life Certificate who expect to teach in the intermediate, grammar, or junior high-school grades of cities.

A general synopsis of the course follows: Education as growth; interaction between the child and his environment; the mental adjustments of the child (typical modes); the social efficiency aim of education; the curriculum as an instrument of social efficiency; socializing school procedures; project-problem instruction; the method of socializing instruction; the function of the kindergarten in the socially efficient elementary school.

The functions of the subjects of the curriculum in the elementary school: Reading, language, grammar, spelling, writing, arithmetic, geography; elementary science, including the elements of agriculture and social hygiene and sanitation; history and civics, music, industrial arts, and physical training.

2.—Rural-school Instruction. *Three hours credit.*

Not a prerequisite for Kindergarten Play Materials or Primary Methods.

Not open to students who have credit in Elementary Instruction.

The aim of this course is to give the student instruction in how to teach the common branches of the rural-school curriculum. Some of the underlying principles of general methods will be studied, and then their application to specific subjects will be considered. The motivation and specialization of subjects in the country school program and the primary work of the rural schools, such as primary reading, number work, seat work and language work, will receive attention.

50.—High-school Instruction. *Three hours credit.*

This course is prerequisite to practice teaching in the junior and senior high school.

Prerequisite, Educational Psychology, and seventy-five hours of college credit. A brief introduction dealing with the traditional elements in high-school instruction, aims and practices, the influence of the college upon high-school instruction, aims and practices, the prevailing tendencies of preparatory instruction reappearing in vocational instruction, and preparatory instructional tendencies at the close of the nineteenth century.

The curriculums of junior and senior high schools: The social core of constants, elective groups, free electives, guidance administration.

Values and methods of instruction in the various branches, including the socialized recitation and supervised study.

A.—KINDERGARTEN DEPARTMENT.

Miss Bingham.
Miss Taylor.

1.—Practice Teaching in the Kindergarten I. *Four hours credit.*

Students teach and observe in the kindergarten two and one-half hours daily under supervision, prepare written plans, and attend conferences. Each student is responsible for a group of children, and is called upon to take charge of the kindergarten at stated times.

2.—Practice Teaching in the Kindergarten II. *Four hours credit.*

Summer Term, and Each Semester.

A continuation of course 1. Students teach and observe in the kindergarten two and one-half hours daily under supervision, prepare written plans and attend conferences. Each student is responsible for a group of children, and is called upon to take charge of the kindergarten at stated times.

3.—Kindergarten Play Materials. *Three hours credit.*

First Semester.

A study of the activities of young children. An analysis of the common play materials of children as a basis of determining the principles governing the selection and use of materials in the kindergarten. The Froebelian gifts; the principles on which they were planned. Modern adaptations and modifications of these. Practice in the manipulation of materials. A study of methods in the use of materials.

4.—Handwork for the Kindergarten and Primary Grades. *Three hours credit.*

Second Semester.

A study of the principles and methods which give educative value to handwork for young children. The aim is to discuss and use practically materials in which may be found the beginnings of art and of industry, and also materials which meet the constructive instinct as it functions in the play life of the child.

5.—Kindergarten Plays and Games. *Two hours credit.*

Summer Term, and Each Semester.

A study of the different periods in a child's development; the instincts, impulses and natural play activities of each period. The significance of play as a factor in education; its relation to work. A study of different types of games. Selection and adaptation of games for kindergarten and primary use. The actual playing of games.

6.—The Period of Infancy. *Three hours credit.*

First Semester.

This course aims to give an insight into child nature and its needs as a basis for kindergarten procedure. The work is carried on by means of observation of children in kindergarten and home, by the study of Froebel's "Mother Plays" and of more modern child-study literature. A comparison is made between the kindergarten

procedure as developed by Froebel and that of to-day, reconstructed in the light of modern genetic psychology and child study.

7.—KINDERGARTEN PROGRAM. *Three hours credit.*

Second Semester.

Prerequisites, Kindergarten Play Materials, Handwork for the Kindergarten and Primary Grades, Kindergarten Plays and Games and the Period of Infancy. The study of kindergarten activities and materials leading to the organization of a kindergarten program. The principles controlling such an organization. Each student will be required to write in outline a year's plan of work for a kindergarten, and will also plan the equipment for a kindergarten.

8.—WEEKLY CONFERENCE. *No credit.*

One hour each week. Required of all kindergarten students. A study of the kindergarten program as it is carried out from week to week in the Normal School Kindergarten, with a discussion of subject matter, materials and methods, and a study of individual children. This course forms the class conference for those doing practice teaching in the kindergarten.

B.—PRIMARY DEPARTMENT.

Professor HARRIS.
Miss GRANT.
Miss GEORGE.
Miss JOHNSON.

1.—PRIMARY METHODS. *Four hours credit.*

Summer Term, and Each Semester.

Prerequisite, Elementary Instruction. The purpose of this course is to offer in lecture form a critical study of methods of presenting the principal subjects of instruction in the lower grades, and to stress habits of work. This work is more extended and definite on the various subjects than is possible in the limited time available in connection with the academic and advanced treatment of the same. The teacher will be led to test methods and to govern the application of the same by laws of the mind. After each subject is completed illustrative lessons will be given with the pupils of the first three grades of the Training School.

(1) *Primary Methods.*—Meaning and purpose.

(2) *Reading.*—Study of methods, past and present. The teacher's problems in connection with "beginning reading" without text. The teacher's problem when using the text. Thought work, including expression, dramatic work, etc. Mechanics, melodic phonics, word study, drills, etc. Lists of the best readers.

(3) *Nature Study and Language.*—Selecting the material for nature study. How used as a foundation for the language work. The purpose of language in the lower grades. The use of the picture, poem and story, and correlation with nature work. Mechanics of language.

(4) *Primary Numbers.*—A study of methods, past and present. The teacher's guide in selecting and presenting material. What shall we teach? How? Means of presenting new ideas through use of objects, construction work, etc. Drills, purpose, formal drills, devices, games, etc.

(5) *Geography.*—Its place in the primary course. Life work and map work throughout the lower grades. Home or local geography. Outdoor and field lessons, excursions to shops, etc. The use of sand modeling, posters, stones, pictures, etc., in teaching primary geography.

(6) *Music.*—The two phases of work—rote singing and the mechanics of music. Value and use of each. Tone work, breathing, rhythm, ear training, eye training; analysis of songs, and how to teach them.

2.—Advanced Methods in Primary Instruction. *Three hours credit.* Each Semester.

Prerequisites, Elementary Instruction. Primary methods, practice teaching, and at least one year's teaching in public schools. Purpose of the course: To make a study of the methods of teaching, some one subject to be presented in the primary grades for the purpose of instruction and of assisting other primary teachers. Plan of the course: (1) Constructive criticism. Observe student teachers in the elementary training school and report in regard to best plans of meeting these teachers and helping them. (2) Visit city schools and note methods used. (3) Read books showing the best methods. (4) Compare methods and select. (5) Outline the talk or explain and write. (6) Make plans for illustrative lessons.

Note.—For information regarding student teaching and prerequisite subjects for the kindergarten, primary grades, intermediate grades, rural schools, junior and senior high schools, see the following sections, I, II, III, IV, V, VI.

STUDENT TEACHING PREREQUISITES AND REQUIREMENTS.

I. For the Life Certificate to teach in the kindergarten, and also for the kindergarten Special Proficiency Certificate.
   1. Prerequisites for teaching.
      (*a*) Elements of Psychology or Elementary Educational Psychology ..... 3 hours.
      (*b*) Elementary Instruction ..... 3 hours.
      (*c*) Primary Methods ..... 4 hours.
      (*d*) Kindergarten Technics ..... 3 hours.
      (*e*) Subject-matter (including six hours of required English) about ..... 20 hours.
      (1) Definitely prescribed.
   2. Teaching, which includes the following requirements, 10 hours.
      (*a*) Teaching participation in kindergarten, 12½ hours per week for one semester.
      (*b*) Conference with supervisors, 1 hour per week for one semester. (See conference schedule.)
      (*c*) Personal conference with supervisors, on call.
      (*d*) Conferences with director of teacher training, on call.
      (*e*) Teaching participation in primary grades, 5 hours per week for one-half semester.
      (*f*) Conferences, same as above.

II. For the Life Certificate to teach in the primary grades.
   1. Prerequisites for teaching.
      (*a*) Elements of Psychology or Elementary Edutional Psychology ..... 3 hours.
      (*b*) Elementary Instruction ..... 3 hours.
      (*c*) Primary Methods ..... 4 hours.
      (*d*) Educational Measurements I ..... 2 hours.
      (*e*) Subject-matter (including six hours of required English) about ..... 20 hours.
      (1) Definitely prescribed or suggested.
   2. Teaching, which includes the following requirements, 4 hours.

      Note.—Six hours of practice teaching are required for Special Proficiency Certificate.

(*a*) Teaching participation, 5 hours per week for one semester.
(*b*) Personal conferences with supervisor, thirty minutes each week.
(*c*) Personal conferences with head of primary department or assistants thirty minutes, on call.
(*d*) Regular conferences, one hour each week, with head of primary department.
(*e*) Conferences with director of teacher training, on call.

III. For the Life Certificate to teach in the intermediate grades.
1. Prerequisites for teaching.
(*a*) Elements of Psychology or Elementary Edutional Psychology ..... 3 hours.
(*b*) Elementary Instruction ..... 3 hours.
(*c*) Educational Measurements I ..... 2 hours.
(*d*) Subject-matter ..... 18 to 24 hours.
(1) In each of three departments, including the English department.... 6 to 8 hours.
2. Teaching, which includes the following requirements, 6 hours.
(*a*) Teaching participation, 5 hours per week for one semester.
(*b*) Conferences with supervisors, 2 hours per week for one semester. (See schedule for conferences.)
(*c*) Personal conferences with supervisors, on call.
(*d*) Conferences with head of Intermediate Grades Department or with the director of teacher training, one hour a week.

IV. For the Life Certificate to teach in Elementary rural schools.
1. Prerequisites for teaching.
(*a*) Elements of Psychology or Elementary Edutional Psychology ..... 3 hours.
(*b*) Rural School Instruction and Administration, 5 hours.
(*c*) Educational Measurements I ..... 2 hours.
(*d*) Subject-matter ..... 16 to 24 hours.
(1) In each of four departments, including the English department.... 4 to 6 hours.
2. Teaching which includes the following requirements, 6 hours.
(*a*) Teaching participation, 5 hours per week for one semester.
(*b*) Conferences with supervisors, 2 hours per week for one semester. (See schedule for conferences.)
(*c*) Personal conferences with supervisors, on call.
(*d*) Conferences with professor of rural-school administration, one hour a week.

V. For the Life Certificate to teach in junior high schools.
1. Prerequisites for teaching.
(*a*) Elements of Psychology or Elementary Edutional Psychology ..... 3 hours.
(*b*) Elementary Instruction ..... 3 hours.
(*c*) Educational Measurements I ..... 2 hours.
(*d*) Subject-matter ..... 18 to 24 hours.
(1) In each of two departments, including the English department.... 9 to 12 hours.

2. Teaching, which includes the following requirements, 6 hours.
   (*a*) Teaching participation, 5 hours per week for one semester.
   (*b*) Conferences with supervisors, 2 hours per week for one semester. (See schedule for conferences.)
   (*c*) Personal conferences with supervisors, on call.
   (*d*) Conferences with principal of Junior high school or with the director of teacher training, one hour a week.

VI. Requirements for the B. S. Degree in Education to teach in senior or junior high schools.
1. Prerequisites for teaching.
   (*a*) *High-school Instruction is a prerequisite for teaching in the Junior and Senior Divisions of the Roosevelt High School, and it must be completed before the student enrolls for teaching. This course is required for the B. S. Degree in Education, B. S. Degree in Commerce and the B. S. Degree in Music.*
   (*b*) All present requirements listed in the current catalogue except special methods subjects.
   (*c*) Subject-matter majors and minors required for the degree.
2. Teaching, which includes the following requirements, 4 hours.
   (*a*) Teaching participation, 5 hours per week for one semester.
   (*b*) Conferences with supervisors, 1 hour per week for one semester.
   (*c*) Personal conferences with supervisors, on call.
   (*d*) Conferences with the principals of the senior and junior high schools or with the director of teacher training, one hour a week.
1. Note.—Students should elect their practice teaching in their major subjects.
2. Note.—Special methods subjects may be pursued as a part of the major requirement offerings, but special methods subjects are not required as prerequisites for teaching.

NOTE.—For a full description of the teacher training system including the curriculums of the Junior and Senior divisions of the Roosevelt High School, see page 139.

PRINCIPALS OF TRAINING SCHOOLS:

ANNE BINGHAM, Kindergarten.
ACHSAH MAE HARRIS, Primary.
JENNIE WILLIAMS, Intermediate.
INEZ MORRIS, Junior Division of the Roosevelt High School.
MAUDE E. MINROW, Senior Division of the Roosevelt High School.

Student teaching is carried on in the Elementary School, the Junior Division of the Roosevelt High School, and Senior Division of the Roosevelt High School of the Normal School. By special agreement with the board of education, student teaching is also done in the city schools of Emporia. Teaching is also carried on in certain rural centers.

The director of teacher training has general charge of all teaching except in certain rural centers, which is directed by the professor of rural

education. The director of teacher training and the professor of rural education act in close coöperation.

ELEMENTARY SCHOOL. This school consists of three divisions, viz., Kindergarten, Primary Grades, including the first three grades, and the Intermediate Grades, including the fourth, fifth and sixth grades.

The Kindergarten is presided over by one head supervisor, one assistant supervisor, and a supervisor of music.

The work of the Primary Grades is conducted by one head supervisor, three or four assistant supervisors, a supervisor of music, and a physical training supervisor.

The work of the Intermediate Grades is directed by a principal, three or four supervisors, a supervisor of music, a supervisor of industrial arts, a supervisor of physical training.

The work of the Intermediate Grades is departmentalized, although the principal and each of three or four supervisors frequently have charge of two or more subjects in the same or in different grades. The principal and supervisors are known as room-charge supervisors, having the direction of the management and discipline of the intermediate grades and of the instruction in English, geography, history, arithmetic, civics and elementary science.

JUNIOR DIVISION OF THE ROOSEVELT HIGH SCHOOL. This division consists of seventh, eighth, and ninth grades. It has a principal who is also supervisor of mathematics. The principal, together with the supervisors of history and civics, elementary and general science and English, have general charge of the management and discipline. In addition to the special supervisors named for the Intermediate Grades (*i. e.*, supervisors who are not room-charge supervisors), there are supervisors of foreign languages (at present French and Latin), manual training, household arts, agriculture, drawing, commerce, and orchestra.

SENIOR DIVISION OF THE ROOSEVELT HIGH SCHOOL. This division consists of the tenth, eleventh and twelfth grades, and is presided over by a principal and a full corps of teachers and supervisors.

CITY SCHOOLS. The director of teacher training, coöperating with the city superintendent of schools, chooses the teachers, who supervise the student teaching and have general charge of the work. The director of teacher training may send any of the principals or supervisors of the training schools to the city schools to assist him in directing the work of student teaching. Students without teaching experience do part of their teaching in the city schools, to learn the regular routine procedures, which are not provided in the training schools. The Training Schools, especially the Elementary School and the Junior Division of the Roosevelt High School, are becoming semiexperimental, and are better adapted to the needs of student teachers who have had some teaching experience. The student teachers in the city schools are known as "teaching apprentices."

RURAL SCHOOL CENTERS. Agreements are made with boards of education of certain neighboring rural schools and small town schools to

furnish teaching facilities for students who are preparing to teach in small towns and rural schools. This work is directed by the professor of rural education, coöperating with the director of teacher training. The general plan of this work is to select a small town as a rural school center. A supervisor has charge of all student teaching in the town and in the rural schools included in the group. The professor of rural education makes frequent trips to this group of schools to direct the work of student teaching. The present arranement requires that each student devote her undivided attention and effort for one month to this work, for which she receives four hours of the six hours credit in teaching required for the life certificate. The other two hours are taken afterwards in the Training Schools.

Kellogg Library, especially in its Children's Room and Roosevelt High-school departments, coöperates with the supervisors and student teachers of the Training Schools in library research and guidance in reading.

The Bureau of Educational Standards and Measurements works in close coöperation with the supervisors of the Training Schools in testing the results of instruction and in initiating new tests.

CURRICULUMS OF THE JUNIOR AND SENIOR DIVISION OF THE ROOSEVELT HIGH SCHOOL.

THE RELATION OF THE JUNIOR TO THE SENIOR DIVISION OF THE ROOSEVELT HIGH SCHOOL.

The administration of the curriculums of this school are based upon the following general principles: (1) The need for common knowledge and training which all individuals of a political and industrial democracy must have in order to live together as free and responsible citizens. (2) The need of differentiated knowledge and training for the vocations and professions which various groups of workers must have to be socially efficient in an industrial democracy. (3) The need for a variety of activities and studies which will develop and satisfy the individual avocational bents of boys and girls—their play-life and cultural capacities.

These divisions are small, having a combined enrollment of about two hundred pupils. Pupils entering the Senior Division, either from the Junior Division, or from other schools, are quite generally looking forward to higher institutional training for teaching.

CONSTANTS. The curriculum of the Junior Division provides a corps of constants as follows: (1) Major group, including English, United States history, physical training (including personal hygiene); (2) Minor group, including mathematics, elementary and general science, geography, and household arts for girls.

The subjects of the major group are required for their citizenship, vernacular, physical development, and health values. For example, mathematics is used to solve the home and community-life problems of the pupils; and elementary and general science deal quite largely with problems of home and community sanitation, gardening, food production and preparation, adulterations, water supply, etc. The minor group is differ-

entiated into special elective groups, while the subjects of the major group constitute the constants in the Senior division.

GUIDANCE ELECTIVES. A few electives are offered the first and second years and a much larger number in the third year in the Junior Division. Girls of the first and second years are required to elect one subject, or they may elect two; and the boys are required to elect two subjects, or they may elect three.

GUIDANCE WORK. A system of pupil guidance becomes very important. It is conducted as follows: The principal, beginning about one month before the close of each semester, calls each pupil into conference regarding his work for the following semester. New pupils, of course, entering school for the first time cannot be called into conference until the beginning of the term. Similarly, the principal then seeks a conference with the parents of each pupil. As a result of these principal-pupil-parent conferences, the pupils' elections for the following terms are made. There is no effort made to influence pupils to carry any one elective subject, except foreign languages, more than one semester, although he may do so. Pupils should carry a foreign language at least one year before changing to other lines of study. The pupils are trying to find themselves, and an opportunity of trying themselves out in the various subjects is essential.

CURRICULUM OF THE JUNIOR DIVISION OF THE ROOSEVELT HIGH SCHOOL.

ELECTIVES.	CONSTANTS.	ELECTIVES.
Manual Training. Designing.	United States History. English. Arithmetic. Geography. Physical Training and Personal Hygiene. Home Economics (for girls).	French. Latin-English. Vocal Music. Instrumental Music.
Manual Training. Designing.	United States History. English. Arithmetic. Elementary Science and Social Hygiene. Physical Training and Personal Hygiene. Home Economics (for girls).	French. Latin-English. Vocal Music. Instrumental Music.
Manual Training. Designing. Orchestra Music.	Community Civics. English. Arithmetic. Elementary Science and Social Hygiene. Physical Training and Personal Hygiene. Home Economics (for girls).	French. Latin-English. Vocal Music. Instrumental Music.
Manual Training. Designing. Orchestra Music.	State and National Civics. English. Mathematics. Elementary Science and Social Hygiene. Physical Training and Personal Hygiene. Home Economics (for girls).	French. Latin-English. Vocal Music. Instrumental Music.
Agriculture I. (Agronomy). Bookkeeping or Arithmetic. Manual Training I. Home Economics I. Orchestra Music.	General Science I. English I. Physical Training and Personal Hygiene.	French I. Latin I. Vocal Music I. Instrumental Music. Algebra I. Anc. and Med. Hist. I. Free-hand Draw. I.
Agriculture II. (Animal Husb'y). Manual Training II. Home Economics II. Orchestra Music.	General Science II. English II. Physical Training and Personal Hygiene.	French II. Latin II. Vocal Music II. Instrumental Music. Algebra II. Anc. and Med. Hist. II. Free-hand Draw. II.

The term "Social Hygiene" as used above does not include "Personal Hygiene," which is taught in connection with Physical Training.

CURRICULUM OF THE SENIOR DIVISION OF THE ROOSEVELT HIGH SCHOOL.

(Tenth, Eleventh, and Twelfth Grades.)

Students graduating from the Senior Division must have earned twelve units in the tenth, eleventh and twelfth grades, with subjects distributed according to the following outline. Students entering the Senior Division must present four units (see Junior Division Curriculum for 9B and 9A grades). A unit is defined as the completion of a subject, the class meeting five periods per week for two semesters or one scholastic year. Laboratory subjects require double periods.

CONSTANTS. All students are required to complete all subjects listed as "constants." The direct values of these subjects are realized in the common knowledge and training which individuals of a democracy must have in order to live together as free and responsible citizens. The "constants" deal with the problems of citizenship, the means of communication through the vernacular and with the problems of health and physical development.

History and Civics.	*Units.*
Contemporary World History, S. 1-2*	1
American History from 1789, S. 3-4	1
Civics (Problems of American Democracy), S. 5-6	1

English.	*Units.*
Constructive English, S. 1-2	1
Literature, S. 3-4	1

Physical Training and Personal Hygiene.

Physical Training, including Personal Hygiene, taken throughout the three years, S. 1-6.

ELECTIVE GROUPS. The elective groups are designed primarily to prepare for entering normal school, university or college training for teaching, but also to prepare for entering university training for other professions, as well as for vocations requiring less than college or university training. As far as possible, each student should determine the special field in teaching for which he wishes to prepare in normal school, university or college, and then in consultation with his adviser, Miss Minrow, elect the group of subjects which will fit him best for that work; or if he wishes to prepare for some other profession or vocation, he should choose the group which will give him the best training for his future work in it.

Each student, on entering the Senior Division is required to elect one of the following groups of subjects, from which he is to complete before graduation no fewer than four units, nor more than five. Work in the same department done in the ninth grade of the Junior Division will count as credit in his elective group, or in the ninth grade of any other accredited high school. The student should complete at least two units in the first two years of the Senior Division and two or three units during the last year.

Commerce.	*Units.*
Bookkeeping, S. 1-2	1
Stenography, S. 2-3-4	1
Typewriting, S. 1-2-3	1
Penmanship, S. 1	½
Commercial Law, S. 6	½
Commercial Arithmetic, S. 1	½
Commercial Geography, S. 4	½

Agriculture.	*Units.*
Farm Crops, J. 5	½
Farm Animals, J. 6	½
Horticulture, S. 1	½
Poultry and Dairying, S. 2	½
Farm Management, S. 3	½
Botany, S. 1-2	1
Physics, S. 5-6	1
Chemistry, S. 3-4	1

Mathematics.	*Units.*
Algebra, J. 5-6, S. 6	1½
Geometry, S. 1-2-4	1½
Advanced Arithmetic, S. 5-6	½
High-school Arithmetic, S. 2	½
Trigonometry, S. 6	½

Science.	*Units.*
Physics, S. 5-6	1
Chemistry, S. 3-4	1
Botany, 1. 1-2	1
Physiology, S. 3	½
Algebra, J. 5-6	1
Geometry, S. 1-2	1
Civic Biology	½
Automobiles	½

* S—Senior Division. J—Junior Division. The numbers indicate the numerical order of the semesters when the subject should be taken.

*English.**	*Units.*
English in the group of constants, S. 1-2-3-4	2
English VII, S. 5	½
English VIII, S. 6	½
Periodical Literature	½

Foreign Languages.	*Units.*
Latin, J. 5-6, S. 1-2-3-4-5-6	2 or 3
French, J. 5-6, S. 1-2-3-4	3 or 2

Manual Training.	*Units.*
Mechanical Drawing, S. 1	1
Woodworking, S. 1-2	1
Joinery, S. 3	½
Cabinetmaking, S. 4	½
Wood Turning, S. 5	1
Industrial Arts (Drawing), S. 3	½

Home Economics.	*Units.*
Serving	½
Home Problems	½
Free-hand and Construction Drawing,	1
Chemistry	1
Physics	1

FREE ELECTIVES. The student should elect at least from one-half to one unit of studies each year for no other reason than because he desires to find out whether he likes them, or because he desires to secure a certain breadth of outlook upon life which he thinks the subject will give him. He should try to enjoy such subjects as much as possible, not because they are to prepare him directly for a vocation or a profession, but because he appreciates their thoughts, enjoys their beauty, or his own activities in pursuing them. He should study them with a playful, yet thoughtful, attitude of mind.

If the student expects to enter a higher institution of learning he should elect such other subjects as may be required for entrance, which are not included among the constants or in his elective group. The college entrance requirements are: English, 3 units; history, 1 unit; algebra, 1 unit; geometry, 1 unit; science, 1 unit; physical science, 1 unit. These requirements are all accounted for in the list of constants of the Senior High School and of the ninth grade of the Junior High School, except the two units in mathematics. Two of the elective groups require the two units of mathematics.

Each student is required to elect three units from any of the above elective groups outside his own elective group, or from the following list of additional free elective subjects:

ADDITIONAL FREE ELECTIVE SUBJECTS.

	Unit.
Elementary Sight Singing, S. 2	½
Intermediate Sight Singing, S. 2	½
Free-hand Drawing, J. 5-6	1
Girls' Chorus, S. (any time)	½
Men's Chorus, S. (any time)	½
Instrumental Music, S. (any time; private)	½
Music Appreciation for Beginners	½
Political Geography, S. 4	½
Physiography, S. 6	½
Psychology, S. 6	½
School Administration, S. 6	½
Ancient and Medieval History, J. 5-6,	1
Rural-school Music	½
Printing	½ or 1

THE CERTIFICATION FUNCTION OF THE SENIOR DIVISION OF THE ROOSEVELT HIGH SCHOOL.

ONE-YEAR STATE CERTIFICATE.

Since a few students in the Senior Division prepare to teach between the period of their high-school work and their college work, provision is made to grant such students a one-year state certificate. Students desiring, when graduating, the one-year certificate, must submit credit as follows:

* One period a week in all English classes is devoted to oral expression.

English, 3 units.
Algebra, 1 unit.
Plane Geometry, 1 unit.
Bookkeeping or Arithmetic, ½ unit.
Botany or Agriculture, 1 unit.
Physics or Chemistry, 1 unit.
Physiology, ½ unit.
Geography, ½ unit.
History, 1 unit.
Civics, ½ unit.
Psychology, ½ unit.
Methods and Management, ½ unit.
Elective selected with the approval of the principal, 5 units.

The one-year state certificate is not renewable and carries with it privileges of teaching in the rural school only.

PREPARATION FOR SECOND- AND FIRST-GRADE CERTIFICATES.

Candidates for second-grade county certificates must have three units of high-school credit; candidates for first-grade county certificates must have seven units of high-school credit. The subjects in which these credits may be made follow:

English Literature and Composition, 2 units.
Algebra, 1 unit.
Plane Geometry, 1 unit.
Ancient and Medieval History, 1 unit.
Modern History, 1 unit.
Botany, 1 unit.
Physics, 1 unit.
Agriculture, 1 unit.
Latin, 1 unit.
Physical Geography, ½ unit.
Commercial Geography, ½ unit.
Bookkeeping, ½ unit.
Civil Government, ½ unit.
Music, ½ unit.
Drawing, ½ unit.

THE SENIOR DIVISION OF THE ROOSEVELT HIGH SCHOOL.

SOCIAL ORGANIZATIONS.

R. S. AND C. S. CLUBS. The R. S. Club for girls, and the C. S. Club for boys, are the two distinctly social organizations for Roosevelt High School. The clubs were organized for the purpose of developing social leadership by means of a practical study of social forms and of methods of entertainment. The clubs hold regular weekly meetings and occasional joint meetings in the form of parties of various types. These two organizations are the center of much of the social life of the school.

THE QUIVIRA SOCIETY. The Quivira Society was organized in December, 1918, as the result of a long-felt need for an organization which includes both literary and social activities. The word Quivira is the Indian name for Kansas. In harmony with the idea suggested by the name, the sunflower was chosen for the society flower and green and gold for the society colors. The literary activities consist of plays, dialogues, readings, story telling, illustrated talks, music, and æsthetic dancing. The social activities consist of games at the regular meetings, and of occasional parties given by the society. Through these literary and social activities, the society aims to develop the originality and initiative of the students of Roosevelt High School.

NORMAL MASQUES. The Normal Masques is the dramatic club of the Roosevelt High School. The membership consists of those who are especially interested in amateur dramatics. Under the direction of an instructor in the college Department of Expression, the club presents one long play and several short plays each year. The training received in this organization is very valuable to those who are ambitious to become members of the Dramatic Club of the College department.

Y. W. C. A. The high-school Y. W. C. A. has been organized to meet the needs of the high-school girls. The work of the organization is

carried on under the direction of the general Y. W. C. A. secretary and of a cabinet chosen from the membership. Once each week, in the attractive high-school Y. W. C. A. rest room, the girls are given definite training in conducting meetings, and in planning for lives of service in conconnection with their fellow-students, and in connection with the communities to which they will later go as teachers.

GLEE CLUBS. Roosevelt High School supports two glee clubs, one for the girls and one for the boys. The clubs are under the supervision of the instructors of the Music Department. These organizations afford excellent training for students interested for the regular chapel exercises, and for special programs.

ORCHESTRA. The Roosevelt High School orchestra is rapidly becoming an important feature of the high-school life. One purpose of this organization is to train recruits for the larger orchestra of the college department. The leader of the college orchestra is also leader of the high-school orchestra. The orchestra plays at both the high school and college chapel exercises and at various social functions of the school.

ATHLETIC TEAMS. Each year the Roosevelt High School enthusiastically supports a football team, a girls' basket-ball team, a boy's basket-ball team, a girls' baseball team and a boys' baseball team. These teams are coached by experienced physical training instructors of the Normal School. All necessary equipment is provided by the school. The teams win many honors for Roosevelt High School.

PUBLICITY BUREAU. The Publicity Bureau aims to make Roosevelt High School an important factor in the life of the Kansas State Normal School, of the city of Emporia, and of the state of Kansas. The Bureau is divided into three departments: The newspaper department, with its editors and reporters; the bulletin board department, with its managers and censors; and the special advertising department, with its managers. All positions, with the exception of that of general director, are filled by the students of Roosevelt High School.

Agriculture.

Supervising Teacher, Professor PHIPPS.

FARM CROPS *One-half unit credit.*

Ninth Grade, Summer Term and First Semester.

The course in Farm Crops opens the subject of economic production on the farm. The differences between agriculture and sciences are made clear. The content of the course covers field crops, seeds, seed judging and germination, soils, crop rotation, harvesting and marketing of crop products, etc. Laboratory and field work take up about one-third of the time. Laboratory work chiefly consists in practicums, such as seed selection and germination tests. Farm boys are assigned home projects in seed selection and improvement combined with production for following season.

FARM ANIMALS. *One-half unit credit.*

Ninth Grade, Summer Term, and Second Semester.

A study of animals useful to man, and their economic production on the farm. The course includes a study of breeds of horses, cattle,

swine, sheep and poultry; their care and management; feeding; marketing, etc. Trips are made to neighboring barns for study of live stock, and some judging work is done by the class. Laboratory work consists in study of animals; barns and equipment; marketing at stock yards, etc. The large sheep feeding pens are studied, also. Farm boys and girls are assigned projects in some phase of animal production on the home farm.

FARM PRACTICE. *One-half unit credit.*

Senior high school, First Semester.

A course in general farm practice, designed especially for farm boys, but open to girls, also. The work is largely laboratory practice, but special classroom study is made along the lines of dairying, dairy equipment, buildings and farm equipment, soils and soil improvement, machinery, and farm improvements. Farms, local implement stores, and farm machinery are studied during laboratory periods. Projects in home improvement are assigned to farm boys and girls.

FARM HORTICULTURE AND GARDENING. *One-half unit credit.*

Senior high school, Second Semester.

A valuable and practical course in orcharding and gardening for the high-school boy and girl who desire to know more about these phases of farm production. The course consists in a study of orcharding; setting out and caring for orchards; insect and disease enemies and their control; harvesting and marketing of orchard crops. A similar study is made of important garden crops. Many practicums are assigned in this course. Orchard trees are pruned and sprayed, gardens are made and cared for, and home projects in orcharding or gardening are assigned to all members of the class.

Art.

Supervising Teacher, Miss MORRISON.

There are three courses offered in Art Education in the High School. Free-hand Drawing I is the only prerequisite for either of the other courses. Free-hand Drawing I, and Industrial Art, may be taken consecutively or simultaneously.

It is the aim of these courses to familiarize the student with fundamental art principles; to enable him to apply these principles to the various activities of school, home, business, and social life; to create a love for the beauties of nature; to develop his power of observation and to promote skill in drawing and all forms of construction work.

FREE-HAND DRAWING I. *One-half unit credit.*

Summer Term, and Each Semester.

This is a course in representation and design, requiring five hours a week for one semester, with an additional hour daily for preparation and study. "The Text Book of Art Education for High Schools" forms the basis for the course. Stress is laid upon the study of perspective, proportions, composition and page planning. It consists of free-hand drawing in outline form models—forms of pottery, books, boxes, plants, trees, buildings, furniture, interiors, etc.

The materials used are pencil, charcoal, colored crayons, white and tinted drawings of flowers, trees, animals, and the human figure in action are made with brush and India ink. The elements of bookbinding, a few lessons in lettering and simple problems in design applied to book covers and portfolios are included.

FREE-HAND DRAWING II. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisite, Free-hand Drawing I. In this course emphasis is laid upon pictorial rather than decorative art. "Pencil Sketching," by Geo. W. Koch, forms the basis of the lessons. Drawings from plants, trees, landscape, figures, and color in both flat and blended values. Stress is laid upon the representation of objects in correct perspective and the rendering of textures. The latter part of the semester is devoted to advance problems including the making of scrap books, kodak books, magazine binding, cretone and paper covered boxes. Design for book plates and wood blocks are also made.

INDUSTRIAL ART.—*One-half unit of credit.*

Summer Term, and Each Semester.

Prerequisite, Free-hand Drawing I. The primary object of this course is to develop an appreciation of design and color when applied to problems of everyday life; to cultivate good taste in home furnishing and wearing apparel; to exercise creative ability and to gain a knowledge of processes and materials used in the industries. It includes problems in reed and raffia weaving, such as baskets, fern boxes, trays, bird cages, lamps, etc.; permadelo modeling and decorating of hatpins, beads, incense burners, etc.; the construction and decoration of desk sets, parchment lamp shades, sanatos luncheon sets, etc.; enamlac applied to common objects in a decorative way; and a study of color harmonies applied to poster making.

Manual Art.

Supervising Teacher, Professor BRAUCHER.

ELEMENTARY MECHANICAL DRAWING. *One-half unit credit.*

Summer Term, and Each Semester.

A course in the elements of mechanical drawing, including exercises in the use of instruments, geometric constructions, free-hand lettering, orthographic projection of simple solids at various single angles, and the application of orthographic projection in making working drawings, tracings and blue prints.

ADVANCED MECHANICAL DRAWING *One-half unit credit.*

A continuation of the above course, giving practice in orthographic projection of more complicated objects, and in double angles; surface developments, sections, isometric, and cabinet projections, shadows, and some application of the principles of practical drafting.

ELEMENTARY WOODWORK. *One-half unit credit.*

Summer Term, and Each Semester.

A course in wood construction suited to the intermediate and lower grammar grades. Work with tools at the bench will be required. Simple models selected to illustrate and give practice in the use of the common woodworking tools will be made.

ADVANCED WOODWORK. *One-half unit credit.*

A continuation of the above course, dealing with the models appropriate for the grammar grades. Work requiring greater skill in the use of tools will be selected, and students will be expected to plan and execute several original or adapted models, in addition to those in an assigned course.

JOINERY. *One-half unit credit.*

Summer Term, and Each Semester.

A course beginning with a series of joint exercises illustrating the

common point in wood construction and continuing into the application of some of these in appropriate models.

CABINETMAKING. *One-half unit credit.*

A course in advanced woodworking, dealing with models requiring more accurate use of tools. Some attention will be given to the lines and decorations, with the methods of securing pleasing effects through wood combination, inlaying and simple carvings.

WOOD TURNING. *One-half unit credit.*

A beginning course in wood turning, with instructions on the care and uses of the lathe; practice in the sharpening of the usual turning tools—chisels, gouges, parting tools, etc. The students will be required to make a series of exercises between centers on the lathe, beginning with the cylinder, through progressive modification, showing the characteristic uses of the tools; followed by the turning of several useful pieces for further practice in the uses of the lathe.

ADVANCED WOOD TURNING. *One-half unit credit.*

A continuation of the above course, giving further study to the lathe and its uses, including problems in hollow turning, faceplate and chuck work, as illustrated in the making of rosettes, boxes, goblets, etc.

PRINTING I. *One-half unit credit.*

Summer Term, and Each Semester.

In this course the rudiments of the art of printing are taught. Practice is given in setting type, reading and correcting proof, making up forms, and feeding a job press.

PRINTING II. *One-half unit credit.*

Summer Term, and Each Semester.

This course is a continuation of course 2, and in addition some time is given to the study and practice of setting advertisements, posters, and fancy jobs.

Commerce.

Supervising Teachers, Professor PARKE, Miss SPENCER.

BOOKKEEPING I. *One-half unit credit.*

Summer Term, and Each Semester.

The elementary principles of bookkeeping are studied, and applied in the use of the journal-daybook, cash book, sales book, and ledger. Thorough drill is given in the opening and closing of accounts and in making trial balances and statements. The course includes simple business practice.

BOOKKEEPING II. *One-half unit credit.*

Each Semester.

Prerequisite, Bookkeeping I. The student handles a large number of business forms and uses school currency. Special attention is given to the classification of accounts and to making business and financial statements.

BOOKKEEPING III. *One-half unit credit.*

Prerequisite, Bookkeeping II. This course includes the accounts of a large business in which subsidiary ledgers, special-column books, and very comprehensive forms of business and financial statements are used.

PENMANSHIP I. *One-half unit credit.*

Summer Term, and Each Semester.

No prerequisite. Study of correct position. Muscular movement is used and drills given for the mastery of movement. Development and analysis of both capitals and small letters and of figures. The aim is to develop a rapid and legible handwriting.

COMMERCIAL LAW. *One-half unit credit.*

Each Semester.

It is the aim of this course to present clearly the more important points of business law that are likely to arise in everyday affairs. The leading principles of contract law, illustrated by references to court decisions, are studied, and their application to practical matters is shown. Open to seniors.

TYPEWRITING I. *One-half unit credit.*

Each Semester.

Beginning with a mastery of the keyboard by the touch method, the student is given a series of progressive exercises in writing words, sentences, and business letters, leading to the acquisition of practical speed and accuracy in writing ordinary business and literary matter.

TYPEWRITING II. *One-half unit credit.*

Each Semester.

Prerequisite, Typewriting I. Continued drill is given to attain speed and accuracy. Business letters, common legal and business papers, and tabulating exercises are given. The student is trained to write smoothly and rapidly, and without error, any kind of miscellaneous matter or business documents.

STENOGRAPHY I. *One-half unit credit.*

Summer Term, and Each Semester.

No prerequisite. Mastery of principles is the principal aim in this course. Careful attention is given to the correct formation of characters and outlines, and constant drill given in reading and shorthand notes. Suitable dictation is given from the beginning.

STENOGRAPHY II. *One-half unit credit.*

A continuation of course 1. A gradual increase of speed is sought, but is made subordinate at all times to legibility of notes. Shortening principles, phrasing, and transcriptions are taken up in a series of progressive exercises.

STENOGRAPHY III. *One-half unit credit.*

A continuation of course 2. This course includes advanced speed practice, with drills in rapid reading and transcription of notes.

STENOGRAPHY IV. *One-half unit credit.*

Continuation of course 3. Designed to give the student skill to take rapid dictation and transcribe with accuracy and correctness.

English.

Supervising Teachers, Miss MANLEY, Miss ASKEW, Professor GILSON.

Six semesters of English are required. They must be taken in the order in which they are numbered except that the student may elect between 5 and 6. With the approval of the head of the department, one of these courses may precede 4.

Each course stands distinctively as a composition course or as a literature course, yet the two phases of English work are not entirely divorced. Some literature is used in the constructive courses, and both oral and written reports are required in all courses in literature. A great deal of attention is paid to oral composition, primarily for its own sake rather than because of its important relation at times to the written work required.

Literature is studied rather than a textbook about literature. The history and biography are made merely incidental, being used only as a background. The library furnishes an abundant supply of histories of literature, and the students are referred to them for any desired information of that nature. In place of studying by the chronological or period plan, or by making artificial distinctions between American and English literature, the students study types of literature. In each case they are introduced first, in so far as it is possible, to the best efforts of the present-day writers, and later to the classics of earlier times. The underlying idea is to arouse in the student an appreciation of good literature and a real liking for it, rather than to make the courses dominantly informational.

Oral English. Oral English in the High School is taught one day each week in every class in English. On that day the work is turned over to the department of public speaking and expression. The fundamentals of both interpretative and extemporaneous speaking are taught. The chief purpose of the course is to give the pupil ability to express his thought to others, to enable him to hold the attention of an audience and to develop his individuality.

1.—Composition and Grammar. *One-half unit credit.*

Summer Term, and Each Semester.

To make the study of English Grammar practical and profitable is the aim of this course. Stress is laid on principles that affect speech and writing, and themes are assigned that require immediate use of these principles. Students are induced to use their reasoning faculties instead of their memories. A study is made of their own language rather than the language of the classics. Methods and suggestions for the presentation of the subject to beginners are frequently made. Some good prose is required to be read during the course.

2.—Narration and Description. *One-half unit credit.*

Each Semester.

Prerequisite, course 1. This course corresponds roughly to the second year's work in composition as outlined in the state course of study. The rhetorical structure of the sentence and economy and accuracy in the use of words receive special attention. The subjects for composition are largely narrative and descriptive, and the principles of this composition are derived from the study of fiction.

3.—Narrative Prose and Poetry. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisites, course 1 and 2. This course follows as closely as seems practicable the first year's work in literature in the state course of study. The simpler narratives are selected from the representative poets and prose writers of England and America. Only

so much of technique is taken up as will increase the appreciation and enjoyment of the reading. An effort is made to develop the critical powers of the student and to sharpen his discernment of what is good. Reports, both oral and written, are made by the student on extensive outside reading.

4.—EXPOSITION. *One-half unit credit.*

Each Semester.

Prerequisites, courses 1, 2, and 3. The work done in this course is quite similar to that outlined for the composition work in course A for the fourth year's English work in the state course of study. Emphasis is placed largely upon oral and written explanations of things which the individual pupil is using in his life outside the English classroom or which appeal most strongly to his interest. Proper organization of material is made the dominant element in the course. This is stressed in the thoroughgoing work on paragraph development and the study of the entire theme. There is careful consideration of the gathering of material, the making of logical outlines, and the writing or speaking from these outlines. Well-edited magazines and newspapers are used almost entirely as models in the study of applying the principles of rhetoric to composition.

5.—DRAMA AND POETRY. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisites, courses 1, 2, and 3. This course is practically the same as that outlined for the third year's work in literature in the state course of study. Three or four plays are carefully studied in class, and others are assigned for outside reading. The plays are approached as much as possible from the viewpoint of presentation. The general artistic and moral effect sought by the dramatist is emphasized, and textual criticism is reduced to a minimum. Pleasure and satisfaction from reading the plays is sought rather than scholastic information in regard to structure and sources. An effort is also made in this course to develop some appreciation of the lyric. The whole field of poetry in English and American literature may be drawn on for material, but the principal stress is placed on poems that deal with conditions and emotions familiar to the student, hence with modern poems.

6.—NOVEL AND ESSAY. *One-half unit credit.*

Each Semester.

Prerequisites, courses 1, 2, and 3. This course covers the work outlined in literature for the second year in the state course of study, but is somewhat broader in its scope. Special emphasis is placed in this course on modern essayists and novelists, the aim being to train the student to discriminate intelligently in his present-day reading, and appreciate and enjoy real literature. The great works of authors of the past, however, are also studied.

7.—ARGUMENTATION. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisites, courses 1, 2, and 3, and two semesters of Literature. As Argumentation is made the final course in English, it serves as a review of constructive work as well as a study of argument. Considerable emphasis is placed upon practical phases of writing, such as business and social correspondence. Various forms of written argument are considered, but most stress is laid upon oral types, informal discussions as well as formal debates on subjects of current and school interest being used. Well-edited magazines are made a basis for some of this work.

8.—Periodical Literature. *One-half unit credit.*

This course in Periodical Literature, a senior elective includes (1) a study of newspapers, rural and metropolitan; a glimpse at news forms and the make-up of the newspaper, with a view to developing more intelligent readers; group and individual reports upon representative newspapers and journalists; (2) a study of the magazine, as to variety of types, make-up, class of readers, and literary and commercial significance, with all types of magazine for illustrative material; a study of advertising, from the pictorial, commercial, and vocational standpoints; (4) a series of vocational talks by town men, which shall open some typical currents of modern American life to the senior before his plunge into the maelstrom.

Geography.

Supervising Teacher, Miss Atwood.

Physiography. *One-half unit credit.*

On demand.

A study of land forms and of the atmosphere, of the agencies that have affected the earth's features, or that are now changing them. Attention is always given to geographic influences upon life and upon history. The laboratory work consists of the study of topographic maps, visits to the museum, and field trips.

Political Geography. *One-half unit credit.*

Second Semester.

This course is a study of the most important countries of the world. Emphasis is laid on the physical basis for the development of the agriculture of any nation, and a knowledge of natural resources as a basis for industrial development. Many special references are given.

Commercial Geography. *One-half unit credit.*

Summer Term, and First Semester.

A study of the world's chief commercial commodities and the factors influencing their production, distribution and development. Text, Brigham's Commercial Geography.

History and Civics.

Supervising Teachers, Miss Minrow, Mr. Webster.

HISTORY.

Ancient and Medieval History I. *One-half unit credit.*

This course deals with the early struggles of man toward civilization; the development of the early political institutions and their influence upon later civilization. The more intensive work of the period is devoted to the history of Greece and Rome and a study of their problems and their influence upon world history.

Ancient and Medieval History II. *One-half unit credit.*

The work in this course begins with the German invasion and extends to 1600. A very careful study will be made of medieval institutions; the growth and development of the nations formed from the disorganized Roman Empire; the Protestant Revolt; the intellectual awakening and the beginnings of the struggle of the people for political rights. Special emphasis will be placed upon the study of the social, economic and political problems of England and France.

CONTEMPORARY WORLD HISTORY.

The purpose of this course is to acquaint the students with world problems and the interpretation of these problems by the nations of the world; to study the problems of organization, development and progress of the social, economic and political life of the people.

CONTEMPORARY WORLD HISTORY I. *One-half unit credit.*

A brief study will be made of the reorganization of the Roman Empire into the separate political bodies, including great movements and institutions, namely, feudal system, crusades, medieval church, towns, schools. Special emphasis will be laid upon the period of exploration. The intensive work of the course will begin with the colonization period, about 1600, and extend to 1871. An effort will be made to make this course a study of world history.

CONTEMPORARY WORLD HISTORY II. *One-half unit credit.*

This course will deal with the social, economic and political development of the people of Europe, Asia and America from 1871 to the present time. It will include colonial expansion and policies of the nations during the latter part of the nineteenth and the beginning of the twentieth centuries; the eastern problems; causes of the Great War and the problems of reconstruction. Particular attention will be given to current topics.

AMERICAN HISTORY.

Since it is essential for every American citizen to be familiar with the history of the growth and development of the institutions of his country and the social and economic life of the people, this course is offered that the students of the high school may have the opportunity of studying the history of the institutions and the people of America.

AMERICAN HISTORY I. *One-half unit credit.*

This course begins with 1789 and extends to 1865. The exploration and colonial periods are dealt with in the course in Contemporary History. Special attention will be given to the problems of the organization of the government under the Federal constitution; foreign relations; the growth of the West; the Federal government versus state government; the social, economic, political problems of the North, South, East and West; the Civil War.

AMERICAN HISTORY II. *One-half unit credit.*

From 1865 to the present time. A careful study will be made of the political, social and economic problems of the reconstruction period; problems of big business interests, progressiveness of the West; United States entry into world problems after the Spanish-American War; the Great War and its problems of reconstruction. A comparative study of Canada and other American countries with the United States will be made. Special emphasis will be placed upon current events and present-day problems.

CIVICS.

CIVICS (THE PROBLEMS OF AMERICAN DEMOCRACY).

This is the culminating course of social study in the last year of the Senior Training High School. Its purpose is to give, without bias or prejudice, a more definite and comprehensive knowledge of the important industrial, social and political problems of American democracy. A serious attempt will be made to develop the citizenship bearings of all problems studied.

CIVICS I. *One-half unit credit.*

This course will include the study of several concrete examples, illustrating the principles of production, consumption, exchange, distribution, public finance, conservation of natural resources; problems of labor and industry, including labor unions, the organization of capital, industries and transportation, and the government regulation of the same. Some attention will be given to the study of general and vocational systems of education.

Home Economics.

Supervising Teachers, Miss STIEBELING, Miss GEORGE.

1.—HOME COOKERY AND TABLE SERVICE *One half unit credit.*

This course deals with the selection, care and preparation of food as influenced by an understanding of the needs of the body for health and by a study of division of income. Practice is afforded in planning, preparing and serving meals in the home economics apartment house. A study is made of the care and equipment of the dining room and kitchen.

2.—CLOTHING PROBLEMS OF THE HIGH-SCHOOL GIRL. *One-half unit credit.*

This course includes a study of the selection, construction and care of garments appropriate to the high-school girl from the standpoints of utility, health and beauty as influenced by a study of the budget. Hand and machine sewing, free-hand drafting and adaptation of commercial patterns are practiced.

3.—THE HOME—ITS SELECTION, FURNISHING, CARE AND MANAGEMENT. *One-half unit credit.*

This course aims to apply principles of art, science, economics and sociology to the affairs of the household. Such home problems as the budget, labor-saving devices, equipment, system in management are included.

Latin.

Supervising Teachers, Professor HOLTZ, Miss RYAN.

The study of Latin gives the student a view of human life in a civilization as complex though different from our own. Toward Rome all previous history converged, and from Rome all subsequent history has radiated. Latin was the language of this nation which had gleaned the best of all that had gone before. The genius and energy of her people are reflected in their language. Its sentences are bundles of directness, terseness and force. It is the purpose of the High-school Latin classes to study the language of this mighty people for its fundamental lessons in the speech, thought and citizenship of our own state and nation. The thought words of the English language are derived directly and indirectly from Latin. Aside from the study of our mother tongue, no other subject in the curriculum can be so important to the work of every department as Latin.

THE LATIN ELEMENT IN THE ENGLISH LANGUAGE. *One-half unit credit.*

Prerequisite, one unit of Latin.

An examination of the preamble of the constitution of the United States or any standard prose shows that its thought words are chiefly derived from Latin. This course has been planned to assist

the high-school student in recognizing the meaning of words at sight from their form and analysis. The general vocabulary of the curriculum and current reading will be considered, an intelligent use of the dictionary will be taught, and every effort made to enrich the student's knowledge and use of English words. It is a practical study of vocabulary.

BEGINNING LATIN I. *One-half unit credit.*

Each Semester.

This course completes one-half the text, with attention to declensions, conjunctions of the indicative mode, comparisons, etc. Stories from mythology and legendary Roman history are introduced early. The subject is correlated with English grammar, and thereby the student is made more familiar with his mother tongue. Open to students without previous knowledge of Latin. Text: Smith's Latin Lessons.

BEGINNING LATIN II. *One-half unit credit.*

Second Semester.

Last half of the Smith text completed. Special attention is given to the subjunctive and the reviews. The course concludes with some of the easier selections from Cæsar's Gallic War or similar material. Open to those who have had Latin I and to those who desire a review.

CÆSAR I. *One-half unit credit.*

Each Semester.

Prerequisite, one unit of Latin. A study of Books I and II. The World War had for its western campaign practically the same theater as that of the first three campaigns of Cæsar in Gaul. In this respect the two wars are kept constantly correlated. The masterful generalship of Cæsar affords great interest. The student learns that the Teutonic ambition for territory westward is by no means recent. This course affords a basis for extended translation, with stress laid on case usage. Texts: Walker's Cæsar, Bennett's Grammar, Baker and Inglis' Composition, part I. "Fabulæ Faciles" used as introductory to the course.

CÆSAR II. *One-half unit credit.*

Summer Term, and Second Semester.

Books III and IV of the Gallic War. Prose composition continued from Cæsar I. The principles of Latin syntax are more firmly grounded, especial attention being given to the modes. Cæsar's Gallic campaigns and the initiatory campaign in Britain mark the advent of the Roman element into French and English civilization. Texts: Same as for Cæsar I.

CICERO I. *One-half unit credit.*

First Semester.

Prerequisite, two units of Latin. The four orations against Catiline. Ciceronian eloquence and its influence on modern oratory. The conspiracy of Catiline with reference to Roman social and political life, and comparisons with modern social conditions. Careful study of syntax, with especial attention to conditional sentences, analysis of each oration, and prose based on the text. Texts: D'Ooge's Cicero, Bennett's Grammar, Baker and Inglis' Composition.

CICERO II. *One-half unit credit.*

Second Semester.

Orations for Pompey, Archias and Marcellus. An investigation

of Roman political institutions and advanced study of syntax. Prose composition continued. Text: Same as for Cicero I.

VIRGIL I. *One-half unit credit*

Summer Term, and First Semester.

Prerequisites, three units of Latin. The translation of Books I to III of the Æneid. The beauty of ancient literature, the rhythmic movement of the hexameter and the poetic nature of Roman life reach their highest form in this great epic. Some study of scansion and mythology; short papers and reports on related topics, correlation with English literature. Text: Knapp.

VIRGIL II. *One-half unit credit.*

Second Semester.

Translation of Books IV to VI, inclusive. Supplementary mythology. The author's place in literature. The Æneid as a whole. Papers and reports.

Mathematics.

Supervising Teachers, Professor LINDQUIST, Mr. KELLER.

HIGH-SCHOOL ARITHMETIC. *One-half unit credit*

Summer Term, and Each Semester.

Drill in the fundamentals with integers and fractions, common factors and multiples, and square root. Denominate numbers, including the metric system. The fundamentals of mensuration; *i e*, area of square, rectangle, parallelogram, triangle, trapezoid, and circle; volume of rectangular solid, pyramid, prism, cylinder, cone and sphere. Pythagorean proposition and its applications. Problems in analysis and simple proportion, and its general applications to concrete problems. Percentage and its general applications. Business application of percentage, interest, commercial discount, bank discount, commission, taxes, insurance, stocks and bonds, longitude and time.

ALGEBRA I. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisite, course 1, or a good foundation in Arithmetic. The notion of general number developed through formulas; *e. g.* i = prt, d (distance) = rt. Positive and negative numbers, their sum and their difference. Exponents and their laws, the four fundamental operations and factoring. Linear equations in one variable. Applications.

ALGEBRA II. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisite, course 2. Factoring, solution of equations by factoring; fractions and fractional equations. Systems of linear equations and graphs. Square root, surds and the simple facts of imaginary numbers necessary to the quadratic equations. Quadratic equations solved by the three methods, with applications. Ratio and proportion.

PLANE GEOMETRY I. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisite, course 3. Triangles, parallel lines, quadrilaterals, polygons, loci and circles. Methods of attacking exercises.

PLANE GEOMETRY II. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisite, course 4. Ratio and proportion, similar figures, areas, regular polygons and circles. Applications of geometry to practical problems.

SOLID GEOMETRY. *One-half unit credit.*

Summer Term, and Second Semester.

Prerequisite, course 5. Elective in secondary school. For description see course 4 under Collegiate Mathematics.

ADVANCED ARITHMETIC. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisites, one year each of Algebra and Geometry. For description see course under Collegiate Mathematics.

ALGEBRA III. *One-half unit credit.*

Summer Term, and Each Semester.

Prerequisite, course 5. For description see course 3 under Collegiate Mathematics.

Modern Languages.

Supervising Teachers, Miss LAVERY, Miss ALTMAN.

Language study belongs to the high school rather than to the college, because it calls to a great extent for memory and imitation. The pupil will save time in the end by devoting as early a period of his school life as possible to language study, and by leaving the sciences to a relatively later period. The drill in accuracy, observation and analysis required in language work will be a strong aid in later work in science.

The study of foreign language has one or more of three main values: Disciplinary, cultural, and practical. To give a sentence correctly in a foreign language requires accuracy and rapidity of thought, close observation, and careful analysis of both foreign and native language, for each word must be correct in itself and have the proper place in relation to other words in the sentence.

FRENCH.

ELEMENTARY FRENCH I. *One-half unit credit.*

First Semester.

Text: Rosenthal and Chankin's Grammaire de Conversation et Lecture, twenty lessons and Lebon and Snow's Easy French Reader, fifteen pages. The course includes special drill on correct pronunciation by means of phonetics, larger vocabulary developed by conversation from every-day life; practice in memorizing and writing from dictation. Work done partly in French.

ELEMENTARY FRENCH II. *One-half unit credit.*

Second Semester.

Prerequisite, Elementary French I or its equivalent. Rosenthal and Chankin's Grammaire de Conversation et de Lecture through lesson 40. Snow and Lebon's Easy French Reader completed. Further development of vocabulary by conversation and pictures. Drill in pronunciation, memorizing of poetry, dictation and free composition continued in this course. Work done largely in French.

SECOND-YEAR FRENCH I. *One-half unit credit.*

Each Semester.

Prerequisite, one unit of High-school French. Rosenthal and Chankin's Grammaire de Conversation and de Lecture Completed. Grammar reviewed and phonetic drill continued. Dictation and reproduction of simple French, composition and further memorizing of prose and poetry. Labiches "Le Voyage de M. Perrichon" and Halevy's L'Abbe Constantin" read. Work done largely in French.

SECOND-YEAR FRENCH II. *One-half unit credit.*

Each Semester.

Prerequisite, one and one-half units of High-school French. Dictation, letters, short compositions written upon topics discussed in class. History and geography of France, current events from French periodicals and newspapers. Labiches "La Poudre aux yenx," and Claretie "Pierrille" read. Work done entirely in French.

SPANISH.

ELEMENTARY SPANISH I. *One-half unit credit.*

Each Semester.

Texts: Wilkin's First Spanish Book and selected supplementary readings. Training in oral methods to secure greater accuracy in the hearing and reproduction of sounds. Practice in memorization, reproduction and writing from dictation. Vocabulary enlarged by conversation upon topics of every-day life. Work done partly in Spanish.

ELEMENTARY SPANISH II. *One-half unit credit.*

Second Semester.

Prerequisite, Elementary Spanish I or its equivalent. Texts: Wilkin's First Spanish Book completed and Hill's Spanish Tales for Beginners, fifty pages. Additional vocabulary building by means of conversation and pictures. Stress laid upon correct and fluent pronunciation. Memorization of prose and poetry; dictation and free composition. Work done partly in Spanish.

Music.

ELEMENTARY SIGHT SINGING. *One-half unit credit.*

Deals with the elements of vocal music, and through rote singing develops the ability to sing by syllable.

INTERMEDIATE SIGHT SINGING. *One-half unit credit.*

This course should follow Elementary Sight Singing. It leads through two-part work to independent sight singing of soprano, alto or tenor parts.

RURAL-SCHOOL TEACHER'S MUSIC. *One-half unit credit.*

A course for teachers in rural schools who wish to introduce music. It includes rote singing, simple sight singing, community music and suggestions for the use of the Victrola.

APPLIED MUSIC (PIANO, VIOLIN, VOICE). *One-fourth unit credit.*

Private half-hour lessons for beginners and students of intermediate grade. Special rate to high-school students of fifty-seven cents per lesson. Individual instruction in band instrument at seventy-five cents per lesson. Three lessons per week carry one-fourth unit credit.

MUSIC APPRECIATION FOR BEGINNERS. *One-half unit credit.*

A course in how to listen to music, designed for students who are not specializing in music, but desire to know and enjoy the standard vocal and instrumental compositions.

Orchestra.

Supervising Teacher, Mr. KEENAN.

Students in ninth grade and above receive one-half unit the year.

ADMISSION. Pupils must be able to play simple melodies in the easier keys. Previous orchestra experience not necessary. Violin parts used in the orchestra do not go beyond the first position, and cornet and clarinet parts are all in B flat. Orchestra meets three times weekly, on Monday, Wednesday and Friday, at 10 a. m.

OUTLINE OF WORK. For first semester, September to January, unison and scale work in most used keys. Study of the different bowings for string instruments and tongueing for wind instruments as they are used in orchestral playing. Study of simple marches, waltzes, overtures, etc.

Second semester, January to May. Continuation of preceding semester's work. Study of standard orchestra music simplified for high-school needs. Use of third and fifth position for violins. Such pieces as "Humoresque" (Dvorak), "Tales from Hoffman," Offenbach, Medley of American and Foreign Airs, Lustpiel Overture "Kela-Bela," and "Light Cavalry" Overture (Suppe), etc., are studied during this term.

Members are taught how to direct small orchestras and are given opportunity to direct under the personal supervision of the head of violin department.

Problems of modern high-school orchestras are discussed, and students given lists of music suitable to the needs of the average high-school orchestra.

Students showing sufficient ability are admitted to the Emporia-Normal Symphony Orchestra of forty pieces, under the direction of Mr. Keenan.

Physical Training.

FOR BOYS.

GYMNASIUM COSTUME. The regulation costume is worn in all classes. It consists of a white sleeveless shirt, white track pants and white tennis shoes. The suit complete can be secured from local dealers at a cost of $2.50.

REQUIRED. Three hours a week for four semesters. The credit given will count as half a unit toward graduation and the one-year state certificate, but not for college entrance.

As the work in physical training varies with the season, the semester is divided into two terms of nine weeks each. Work must begin upon entering school, and the student is required to complete it during the first two years unless he is excused by the Director. As the midwinter is best

for gymnastic work and the fall and spring for athletic sports, the student is advised to take his work in that order.

1.—Elementary Gymnastics. Marching tactics, free-hand and light apparatus exercises and gymnastic games. Special attention is given to the correction of faulty posture and carriage of the body.

2.—Intermediate Gymnastics. Body-building and corrective exercises, gymnastic dancing steps, heavy apparatus exercises, and elementary tumbling.

3.—Advanced Gymnastics. Offered the third and fourth terms to those prepared to take up athletics and folk dancing, individual and companion tumbling, and difficult exercises upon the heavy apparatus.

4.—Football. Given during second ten weeks only, to men in good physical condition as shown by physical examination. The squad is divided into teams according to ability.

5.—Soccer Football. Given in season. Individual and team practice. Valuable both as a vigorous game demanding speed and endurance, and as a preparation for track athletics and basket-ball.

6.—Basket-ball. Classes are organized each semester of the year. The A. A. U. game is taught to elementary classes and the intercollegiate game to the first and second teams. An interesting series is played.

7.—Baseball. Given in season. Individual and team practice. The squad is divided into teams graded according to ability.

8.—Track and Field Athletics. Given in season only to men in good physical condition as shown by physical examination. Cross-country running is given in season.

9.—Tennis. Given in season. Tournaments in both singles and doubles are held during first and fifth ten weeks.

10.—Swimming. Elementary and advanced instruction is given throughout the year.

11.—Instruction in Personal Hygiene will be included as a part of the physical training course in both Junior and Senior High Schools.

FOR GIRLS.

The aim of this department is twofold:

First, to bring each student to her best possible physical condition, and by a careful system of gymnastic training to correct faulty postures and carriage, to aid in the formation of habits of hygienic living, to establish a normal condition in the circulatory and respiratory systems, to secure bodily vigor, and to obtain a healthful and symetrical development rather than to secure the greatest increase in muscular power.

Students are under the care of teachers who have had thorough medical training, and will be given special medical or corrective exercises prescribed according to individual needs as indicated by their physical examinations.

In order that the effect upon the muscles may be lasting and best results obtained, students will not be excused from physical training

until the required courses are satisfactorily completed, but the work will always be adapted to the individual needs.

Second, to qualify as teachers to intelligently consider the physical needs of their pupils, and to direct in the schoolrooms daily exercises which will prevent or help to correct physical defects; also to teach in their playground, athletics, games, and folk dances.

REQUIRED. Three periods of work per week in gymnastics, athletics or other elective work during the first two years of work in residence gives one-half unit credit, which may apply on requirements for graduation and one-year state certificate, and for the high-school diploma, but not for college entrance.

Of this requirement, one-fourth must be in athletics or other elective work, but the other three-fourths must be regular gymnasium class work, which consists of marching tactics, free-hand or light hand-apparatus exercises, games or fancy steps. A semester of gymnastics must be completed before a student may substitute elective work.

GYMNASIUM COSTUME FOR WOMEN. A regulation costume is worn in all the classes. This consists of a black serge gymnasium suit and broad-toed tennis shoes. In order that the suits may be uniform and hygienic, students on arrival are advised to report to the Director's office, where second-hand suits of outgoing students will be sold for about four dollars, or new ones may be ordered for five dollars. Only regulation suits will be allowed on the floor.

1.—ELEMENTARY GYMNASTICS. Required of all beginners. Three periods per week. Marching, calisthenics, hand apparatus, and games.

2.—INTERMEDIATE GYMNASTICS. Required of all students who have completed course 1. Three periods a week for at least one semester. Continuation of course 1.

3.—CORRECTIVE GYMNASTICS. Open to all students who have need of the remedial work. Special attention is given to those having spinal curvature, round shoulders, narrow chests, forward heads, weak backs, pronated ankles, or other physical weaknesses.

4.—OUTDOOR SPORTS. Open to all high-school students who have completed two semesters of gymnastics. One or two periods a week, in the spring and fall. In this course are taught a variety of games, including baseball, soccer, playground ball, cross ball, track athletics, and relay racing.

5.—BASKET-BALL. Open only to those students who are physically qualified and who have completed course 2 or 3. One period a week.

6.—BASEBALL. One period a week in the second half of the second semester.

7.—HOCKEY. One period a week in the fall.

8.—TENNIS. Open to all students having the privilege of electing athletics. One, two, or three periods a week.

9.—SWIMMING. One lesson a week is allowed each student.

10.—ESTHETIC DANCING. (Elementary.) Two periods a week. The purpose of this course is to develop grace and freedom of movement.

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The classic dancing in emphasized and is now considered one of the most important phases of the gymnastic exercises.

11.—Folk Dancing. (Elementary.) One period a week. In this course are taught the simplest peasant and national dances suitable for recreative and exhibition work with children.

12.—Esthetic Dancing. (Intermediate.) Two periods a week.

13.—Folk Dancing. (Intermediate.) One period a week.

14.—Indian Clubs. Two periods a week.

15.—Personal Hygiene. A course in personal hygiene will be offered to the Junior and the Senior high-school girls. It will be substituted for one period of gymnastics each week. The course will be made to work in with the gymnastics, teaching the physiology of good position, cleanliness, fresh air and regular exercise, etc.

Science.

BOTANY.

Supervising Teacher, Associate Professor Agrelius.

Elementary Botany I. *One-half unit credit.*

Summer Term, and Each Semester.

Topics considered: A study of the so-called lower plants, with especial emphasis on bacteria and their relation to health, to the preservation of foods, and to soil production and fertility; a similar treatment of fungi, and the origin and nature of a seed. The method is strictly developmental throughout. Text: Bergen and Caldwell's Introduction to Botany. A deposit of seventy-five cents is required in each of these courses to guarantee the return of apparatus entrusted to the student.

Elementary Botany II. *One-half unit credit.*

Summer Term, and Each Semester.

The previous course will be continued, with a comparative study of seeds, their germination, their structure and contents; the general structure and work of plants—their roots, stems, and leaves, and the significance of these; plant products and industries connected with them; a consideration of some of the leading families of plants; their uses, characteristics, and distribution; plant improvement, including plant breeding. This study includes field and laboratory work, illustrated lectures, class discussion, and recitations. No credit is given for either of these courses without the other. Text and deposit the same as in Botany I.

CIVIC BIOLOGY.

Civic Biology I. *One-half unit credit.*

Summer Term, and First Semester.

The purpose of this course is to acquaint the pupil with those biological facts from which arise problems requiring coöperative effort for their solution. This implies a study of some of the facts in question, and also an effort to lead the student to a proper appreciation of the need for joint action on the part of himself and other citizens in bringing about needed results. It may be readily learned that the common rat is a pest. It is of little use for Mr. A. to rid his premises of the rats unless Mr. B and his other neighbors do the same. Those phases of the subject that are better studied at this time of the year

will be considered. In the summer term the whole subject will be more arbitrarily divided to prevent duplication of the work of the second half of the course. Text: "Civic Biology," by Hodge and Dawson. The pupil will pay for materials used and retained.

CIVIC BIOLOGY II. *One-half unit credit.*

Summer Term, and Second Semester.

This course has the same purpose and method as the preceding. It will consider those sides of the subject best considered at this time of the year without undue duplication of course 1, and with the division as suggested in that course in the summer term. Either 1 or 2 may be taken first (or concurrently in the summer term). The text, etc., as in course 1.

Chemistry, Physics, and Physiology.

Supervising Teacher, Mr. VAN VORIS.

CHEMISTRY.

CHEMISTRY I. *One-half unit credit.*

First Semester.

A study of the principles and laws of the science, with something of its history. This course will include a detailed study of the most typical nonmetallic elements and of some of the more useful metals. It will also cover an introduction to the study of some of the simpler and more familiar organic compounds. The student becomes familiar with such laboratory methods of filtration, evaporation, precipitation, neutralization, distillation and weighing as will give him facility in analysis in the work of the second semester. Text: Olson's Pure Foods. Laboratory fee, $1.

CHEMISTRY II. *One-half unit credit.*

Second Semester.

Practical analysis is continued throughout the semester. The work includes both qualitative and quantitative analysis of such familiar things as tea, coffee, baking powder, vinegar, fruit juices, water, milk, foods—including tests for adulteration, preservatives, artificial colors and flavors. The chemistry of dyeing and stains receives attention. The more common remedies and patent medicines are examined. The course is elastic enough to allow it to be adapted to the needs of the class and the interest of the individual student. Text: Allyn's Elementary Applied Chemistry. Laboratory fee, $2.

PHYSICS.

PHYSICS I. *One-half unit credit.*

Summer Term, and Each Semester.

Properties of matter, motion; characteristics of liquids and gases, work, energy, and heat. The needs and interest of the pupil are kept constantly in mind. The subject is adapted to the pupil instead of adapting the pupil to the subject. During the year the class visits the ice plant, gas works, street railway and railroad car shops, foundry, steam and water mills, telephone exchange, waterworks, heating and ventilating plants, and such other places of interest as opportunity offers.

PHYSICS II. *One-half unit credit.*

Summer Term, and Each Semester.

Magnetism, electricity, sound and light. Students having special aptitude are given opportunity to do extra work, such as making motors and dynamos, batteries, erecting telephone and telegraph sys-

tems and wireless telegraph stations. They study and test the efficiency of machines, hot-air and gas engines. An abundance of apparatus, selected with reference to the needs of the pupils, is used by the instructor in demonstrating the class work and by the pupils in the laboratory. Text: Black and Davis' Practical Physics.

STUDY OF AUTOMOBILES.

STUDY OF AUTOMOBILES. *One-half unit credit.*

Prerequisite, General Science or its equivalent in Physics.

This course includes a scientific study of the construction of standard automobiles, their operation and adjustment, the location of troubles and making minor repairs. The subjects of fuels, carburetors, ignition and lubrication receive much attention. The aim of the course is to enable one to operate an automobile and keep it in good order with a minimum of expense. A shop is provided where actual work in overhauling and adjusting cars is done by the students. This course is open to boys and girls.

PHYSIOLOGY.

HYGIENIC PHYSIOLOGY. *One-half unit credit.*

Summer Term, and Each Semester.

A good working knowledge of anatomy and physiology is given the student, but special emphasis is placed upon hygiene in all its phases. The pupil is taught those conditions that tend to the best development and health. To this end the subjects of food, circulation, respiration, excretion, exercise, athletics, etc., are considered, with special reference to the needs of the individual. The cause, prevention and treatment of the more common diseases are fully treated. The aim of this course is to enable the pupil to care for his body properly rather than to commit to memory a large number of technical terms or even to be able to write a specified number of rules of health. Conn and Buddington's Advanced Physiology and Hygiene.

General Science.

Supervising Teacher, Miss BILLIG.

GENERAL SCIENCE I. *One-half unit credit.*

Summer Term, and Each Semester.

The work in General Science I includes a study of the atmosphere, its composition and physical characteristics; the weather; the seasons; the relation of air to food manufacture; the relation of molds and bacteria to the health of the individual and to the sanitary conditions of the community. A study of water and its uses is made with special emphasis on the water supply of the community as it relates to health and sanitation.

GENERAL SCIENCE II. *One-half unit.*

Summer Term, and Each Semester.

The work in General Science II takes up a study of work, energy and electricity as they relate to every day life; the earth in its relation to other astronomical bodies; the earth's crust; plant and animal life upon the earth; the utilization of food in plants and animals. Experimentation forms a large part of the work in General Science.

Psychology.

Supervising Teacher (to be secured).

ELEMENTARY PSYCHOLOGY. *One-half unit credit.*

Summer Term, and Each Semester.

Psychology is taught from the point of view of the intending teacher, and as many as possible of the illustrations and applications of the various subjects discussed are drawn from the schoolroom and its problems. Pupils are asked always to draw their illustrations from their own experience. Text: Phillips' An Elementary Psychology.

School Administration.

Supervising Teacher, Professor CULTER.

RURAL-SCHOOL MANAGEMENT. *One-half unit credit.*

Summer Term, and Each Semester.

This course is organized for secondary school students who expect to do more or less teaching before entering their college work. It consists of a study of school site and grounds, house and equipment, school hygiene and sanitation, preparation and personality of the teacher, first day, daily program, play and playgrounds, school government, school incentive, school ethics, the recitation, how to study, library and its use, agriculture in the country school, consolidation and rural-school problems.

SUMMARY OF STUDENTS.

GRADUATE STUDENTS.

* Summer School only, 1919.

*Elias Bowen Barnes, Emporia.
*Mrs. Nora Prescott Barnes, Alton.
*Eunice Coleman, Emporia.
*Pearl Mary Cox, Wichita.
*Wm. Crosswhite, Emporia.
*Philip Mitchell Ferguson, Olathe.
*Grace Gardner, Hartford.
*Bernice Helen Griffith, Emporia.
*Esther Sunshine Jones, Emporia.
*Chlora Faye Lock, Topeka.
*David Rankin McBride, Emporia.
*Mignon Louise Mayberry, Emporia.
*Edith Amy Rowland, Wichita.
*Mabel Edna Rowland, White Water.
*Orra Melville Smith, Carbondale.
Mary Swan, Emporia.
*Gladys Ruth Tufts, Abilene.

COLLEGE SENIORS.

*Dorothy Armena Abrams, Emporia.
Harry Enoch Adell, Marquette.
Neal Akers, Emporia.
Ethlyn Marie Alsop, Wakefield.
*Clinton Hart Andrews, Emporia.
*Letha Lowell Austin, Formosa.
Austin Bromley Barber, Pleasanton.
Ethel Adelaide Baugh, Emporia.
Henry T. Baustion, Lindsborg.
Helen Agnes Beans, White Water.
Bertha May Beaver, Sabetha.
Clara Katherine Beaver, Sabetha.
Lydia B. Bieberdorf, Emporia.
*Helen Blank, Emporia.
Erma Ferole Brown, Emporia.
Celia Ivy Burk, Emporia.
James Frederick Bursch, Buffalo.
Lewis Harold Caldwell, Moran.
Edith Clara Campbell, Mulvane.
*John Lawrence Cannon, Beattie.
*Rose Mary Carl, Neosho Rapids.
*Amos Carlile, Mound City, Emporia.
*James Marion Carpenter, Norwich.
Ioan Margaret Cassler, Canton.
Carrie Estelle Clayton, Iola.
Charles Roy Cook, Rock Creek.
Paul Baird Cooper, Emporia.
*Raymond Cremer, Emporia.
*Clarence Leroy Cross, Emporia.
Mary Ethel Cross, Emporia.
*Harold Culter, Emporia.
*Olive Davis, La Cygne.
*Rex Davis, Spearville.
Earl Roy DeVore, Cuba.
Madge Dison, Derby.
Thelma Dutton, Emporia.
Anna Elizabeth Edwards, Emporia.
Charles Joseph Filinger, Cuba.
Wm. Henry Filinger, Cuba.
James Finnerty, Hartford.
Joseph Patrick Flynn, Palmer.
Hulda Olive Froom, Vermillion.
*Winifred Gallagher, *St. Joseph, Mo.*
*Ernest Gantz, Holton.
Anna Gepharte, Yates Center.
Roy Gravatt, Emporia.
Clara Jane Grizzell, Bushton.
Augusta Agnes Gufler, Emporia.
*Mrs. Mary Jane Hall.
*Cora Ethel Harvey, Toronto.
*Constance E. Hausam, Emporia.
*Iona Herriford, Wichita.
Charles Frances Hogue.
Ivan Hostettler, Wetmore.
*Charlotte Elizabeth Howe, Emporia.
*Nell Virginia Hughes, Topeka.
Frank Lewis Irwin, Valley Falls.
Eva Rose Johnson, Phillipsburg.
*Helen Taylor Jones, Hill City.
*Martha Pearl Jones, Saffordville.
*Otto P. Kappleman, Emporia.
*Marquis Lafayette Kirby, *Kansas City, Mo.*
Max Happy Klein, Glasco.
Glenn Rolland Kolstrup, Fall River.
Homer Marion Kunz, Emporia.
Mary Lansing, Chase.
Emil L. Larson, Melvern.
Robert Thomas Leighty, Bushong.
Ben Harrison Lewis, Emporia.
Wm. Earl Lewis, Hoisington.
*Bessie J. Luppy.
*Fred H. Lynn, Emporia.
Donald A. McConnell, Council Grove.
Notie Mae McLean, Peabody.
*Christine Jeanneatte McPherson, McPherson.
*Violet May Maple, Mulvane.
*Hattie Marie Marsh, Neodesha.
Sarah Henry Martin, Emporia.
*Villa Estella Martin, Highland.
Mae Maxon, Emporia.
*Mary Elizabeth Meyers, Bell Plaine.
*Minnie May Miller, Council Grove.
*Philip B. Morgan, Emporia.
*Bessie Morris, Emporia.
John Benjamin Nanninga, Emporia.
*Kathryn Nanninga, Emporia.
*Esther Eva Ogg, Topeka.
Ruth Winifred O'Keefe.
*Ethel Gertrude Orsbourn, Rantoul.
Howard Victor Patterson, Emporia.
*H. Victor Petrie, Preston.
Lola Frances Pierson.
*Nora Estelle Pixley, Wamego.
*Thomas Bruce Portwood, Belle Plaine.
*Robert Arthur Postma, Hazelton.
Robena Pringle, Rose.
Rollin Arthur Raymond, Centralia.
Charles Hugo Rehm, Hutchinson.
*Walter Marvin Richards, Severy.
*Dora Clede Richmond, Wellsville.
*Charles H. Rinehart, Arkansas City.
*China Ethel Rogers, Keats.
Mrs. Blanche Maule Ross, Emporia.
Harry Wilbur Ross, Emporia.
Amma Erena Schaefer, Pawhuska.
Mabel Simcox, Canton.
Virginia Faye Slater, Severy.
Merl Grant Smith, Florence.
*Leonard Joell Stark.
*Marion Franklin Stark, Elk City.

COLLEGE SENIORS—*concluded.*

Esther Steinmetz, Emporia.
*Lula Ann Stewart, Hazelton.
*Nora Katherine Stevins, Emporia.
*Helen Hawthorne Stokes, Osawatomie.
*Martha Strutzel, Olpe.
*Lawrence L. Thompson, Wamego.
Agnes Thomen, Junction City.
Arthur Edwin Traxler, Emporia.
Ivan Harry Trusler, Arkansas City.
*Florence Van Osdol, Junction City.
James Vaughn, Emporia.
Hazel Brown Vaughn, Emporia.
Albert Jacob Venning, Moline.
Bryan Jennings Wagner, Virgil.
Thelma Walls, Parsons.
Guy Willard Webster, Emporia.
George Kimball Wells, Emporia.
Gordon Loraine West, Wichita.
Robert Carl White, Emporia.
Myrtle Leone Wilconson, Emporia.
Frank Taylor Williams, Emporia.
Margaret Esther Williams, Florence.
Mary Rachel Williams, Emporia.
*May Agnes Williams, Hutchinson.
*Vera Helene Winget, Jennings.
*Velma Z. Worster, Greenleaf.
Lawrence Calvin Workman, Emporia.
Warren Miller Zieber, Pawnee Rock.
Mabel Lola Zimmerman, Sterling.

COLLEGE JUNIORS.

Ima Margaret Adams, Grenola.
Flora May Akins, Halstead.
*Zedna Armour, Emporia.
*Clara Pearl Armstead, Emporia.
*Marguerite Leona Armstead, Emporia.
*Earl Armstrong, Emporia.
Sarah Anna Atherton, Emporia.
Frances Backe, Emporia.
Lois Bands, Madison.
*Edna Marie Bare, Protection.
*Evangeline Ruth Barthel, Emporia.
*Paul Becker, Emporia.
*Margaret Berg, Emporia.
Wm. Everett Bereman, Nickerson.
Gladys Faye Beuchat, Madison.
*Lena Frances Blackwood, Clay Center.
*Willis Maude Blunk, Galena.
Carl Andrew Bowman, Ottawa.
Leonard Leon Bowman, Benedict.
Joseph Boyle Bennington.
*Mary Josephine Brackett, Jewell.
*Alice Myrtle Bridge, Alma.
Neta Irene Briggs, Emporia.
*Logan Britton, Emporia.
Madge Anna Brown, *Medford, Okla.*
Vera Irene Brown, Colony.
Edna Buckles, Vermillion.
*Leone Carder, Lawrence.
*Edith Jennie Carlile, Emporia.
*Marie Charlie Carnagy, La Cygne.
*Mary Carter, Minneola.
*Leontime Chancy, Burlingame.
Oscar Christenson, Ramona.
Hazel Trylor Clarke, Emporia.
Anna Mabel Cole, Topeka.
Joseph Henry Collins, Kansas City.
Elnora Conrad, Windom.
*Grace Constable, Minneapolis.
*Lucile May Coughnaur, Brownell.
*Esther Lucile Cracroft, Hartford.
*Dorothy Crane, Howard.
Inez Crawford, Emporia.
*Mabel V. Cross, Emporia.
*George Cunningham, Emporia.
*Gladys Irene Cunningham, Emporia.
Fannie Cutshaw, Jamestown.
*Bernice Cutting, Rose Hill.
*Orphia Estella Daniel, Emporia.
*Mary Lizzie Darrah, Emporia.
*Emily Davis, Auburn.
Carl Everett Dent, Council Grove.
*Claire Nell Devlin, Leavenworth.
*Myrtle Duer, Zenith.
Sara Dwyer, Topeka.
*Lewis Wm. Edwards, Kincaid.
*Doris Ellenberger, Emporia.
*Edith Ellenberger, Emporia.
Irene Emily Fairchild, Wellsville.
*Helene Elizabeth Farnsworth, Cullison.
Mabel Lucretia Feemster, Fulton.
*Lu Ferguson, Emporia.
Guy Finkle, Galva.
*Florence Fluker, Emporia.
Ralph Wilbur Focht, Emporia.
Elizabeth Forbes, Carbondale.
*George Henry Fortner, Eudora.
Samuel Theodore Frazier, Marion.
Frances Lee Friend, Emporia.
*Sudie Friend, Emporia.
*Ethel Eliza Fritz, Whiting.
*Clara Maria Froom, Vermillion.
Katherine Fuller, Emporia.
*Lola Agnes Gallagher, Hoxie.
Nora Belle Gilchrist.
Tippia E. Gist, Bushong.
*Nellie Catherine Gittons, Turner.
Mrs. Blanche Galsse, Fredonia.
*Frank Linn Gooch, Emporia.
Nell May Grant, Horton.
*Abigail Gregory, Pratt.
Edith Geesling, Turon.
Lucille Florence Gunther, Soldier.
Verta Gross, Emporia.
Zella Margaret Hall, Emporia.
Hilah Beth Harris, Marion.
*Neva Hazel Hart, Minneapolis.
Albert Leopold Hartman, Ozawkie.
Wilbur Hashbarger, Kincaid.
Ethel Kathryn Haubold, Parsons.
*John William Haynes, Emporia.
Mrs. Sue Hemphill, Clay Center.
Mrs. Sue Hemphill, Clay Center.
*Barbara Henderson, Wichita.
Esther Elizabeth Henry, Emporia.
*Mary Dean Herndon, Admire.
*Victor Emmett Herndon, Admire.
Bertha Hill, Emporia.
George Glenn Holmes, Baldwin City.
Dorothy Felice Hooser, Kansas City.
*Maude Elizabeth Hudgins, *Kan. City, Mo.*
Bernice Mary Huff, Chapman.
*Edna Eula Hukill, Valley Falls.
*Esther Claire Hutchins, Vining.
*Lena Hutchins, Ottawa.
Ethel Ingalls, Galva.
*Loraine Esmond Jackson, *Kan. City, Mo.*
Inez A. Jacobs, Emporia.
Haddon William James, Augusta.
Augusta Bersheba Johnson, Kansas City.
*Bessie Craig Jones, Emporia.
*Aimee Hilton Kell, Emporia.
Gertrude Kell, Emporia.
*Joseph Kelsey, White City.
Vera Lucile Kirkner, Carbondale.
*John Walter Fuller.
*Hattie Gertrude Lank.
*Mrs. Rosa Rhodes Larson.
*Flora Leatherman, Chapman.
*Aura Wesley Lewis, McPherson.
Helen Lewis, Emporia.
*Edith D. Lloyd, Emporia.
*Hazel Beatrice Longshore, Emporia.

COLLEGE JUNIORS—*concluded.*

Madeline Eunice Loveless, Emporia.
Margaret Isabelle Ludwig, Kansas City.
*Elizabeth Ann Lupton, Sterling.
*Lucile Carol McAuley, Americus.
*Mary Frances McBride, Emporia.
Verna Nelson McGuire, Neodesha.
*Clarissa Eliza McNay, Gove.
Olga Milana Maill, Elmo.
Elise Mallary, Emporia.
Robin Pearl Mears, Dodge City.
*Mamie Davis Mellinger, Emporia.
*Zella Elzima Miller, Langley.
*Ratia May Minner, Soldier.
*Hannah Manilla Monroe, Emporia.
*Julia Anne Morris, Emporia.
*Flother Mae Nance, *Okmulgee, Okla.*
*Lloyd Bernard Neece, Delia.
Charles Peter Neis, Hope.
*Daisy B. Newton, Colony.
*Nell Nicehelser, Oskaloosa.
*Matilda Noyes, Emporia.
*Martha Jane Oakes, Peru.
*Venice Ogg, Topeka.
*Adelia O'Neal, Harper.
Gladys Orsbourn, Rantoul.
Grace Owen, Independence.
*Caroline James Patton, Atchison.
*Zemira Ann Peek, Valley Falls.
Malinda Pegram, Emporia.
Hazel Penn, Atchison.
Verna Penn, Atchison.
*Emma Pierson, Savonburg.
Grant L. Pistoris, South Haven.
Bessie Irene Powell, Topeka.
Elva Mae Price, Baileyville.
*Vernita Floyd Price, *Oklahoma City, Okla.*
Inez Josephine Putman, Admire.
*Alfred Kirk Ramy, Piedmont.
*Harriett Elizabeth Ranson, Junction City.
Paul Doney Raymond, Dunlap.
*Mrs. Edith King Rees, Solomon.
*Irma Rees, Emporia.
*Ruth Anna Rickerd, Emporia.
*Mrs. Norma Payne Riney, Emporia.
Crystal Dorothy Rollow, Russell.
*Madeline Miriam Scott, Topeka.
Mrs. Ruby Saddler Scott, Kansas City.
*Mary Ellen Showers, Neosho Rapids.
Fred Earl Shuler, Bucklin.
*Faye Slaughter, Topeka.
*Velma Ruth Smith, Emporia.
Marjorie Snodgrass, La Cross.
*Sarah Eunice Speer, Clements.
*Lillian May Stannard, Emporia.
*Gladys Pauline Stewart, Americus.
Mary Esther Stinson, Emporia.
*Mary E. Straight, Emporia.
*Beatrice Swenson, Clay Center.
Elsie Ethel Tangeman, Newton.
*Frances Laura Taylor, Topeka.
Ina Wilhelmeta Thomas, Emporia.
Emma F. Thompson, Lost Springs.
*Clara Eleanor Thrall, Eureka.
Oltje Ann Trusler, Emporia.
Dorothy Parke Tulien, Emporia.
*Bertha Mae Upshaw, Russell.
*Ruth Edna Vawter, Cherryvale.
Inez Ethel Ward, Le Roy.
*Delene Lillie Warren, Emporia.
*Martha Marie Wasson, Emporia.
*Gladys Anna Watson, Reading.
Cleda Hannah Wellborn, Emporia.
Wayne B. Whitlow, Moran.
*Irene Widick, Emporia.
Clara Madaline Wieland, Elk City.
*Molly Phobe Wilson, Emporia.
*Rena Elizabeth Wilson, *Guthrie, Okla.*
*Ruth C. Withers, Bronson.
*Margie Youngberg, Anthony.

COLLEGE SOPHOMORES.

Lucile Mae Abraham, Emporia.
Bertha Mae Acker, Grenola.
Virginia Mary Adamson, Erie.
Paul Kenneth Agrelius, Emporia.
*Ida Lois Albin, Norwich.
*Gertrude E. Alexander, Emporia.
Dean Conrad Allard, Osawatomie.
Evelyn Verne Allphin, Pratt.
Lita Grace Alsop, Wakefield.
Ilda Alvord, Emporia.
John Donald Andrews, Emporia.
*Beth Eva Armour, Wilmore.
Rebecca Armour, Emporia.
Iva McDonald Armstrong, Cherryvale.
*Ruth Olive Bailey, Gypsum.
Ralph E. Baker, Clifton.
*Birdie Bales Ball, Colby.
Opal Alvina Baltz, Attica.
*Leona June Baptist, Emporia.
*Joy Danell Barnes, Wichita.
*Mabel Joy Barr, Douglass.
Gertrude Lois Barton, Pratt.
Frances Emma Batdorf, Burlington.
Mamie Lorraine Batdorf, Burlington.
Eva Ann Beatty, *Manchester, Okla.*
*Margaret Jane Beaver, Wellsville.
*Margaret Adele Bechtold, Atchison.
Alice Rae Benson, Belleville.
Bessie Isabel Bereman, Nickerson.
Ruth Marie Berg, Emporia.
Kathryn Irene Bideau, Rose.
Verne Bishop, Emporia.
*Mary Lou Bixby, Osawatomie.
*Georgia Black, El Dorado.
*Alma Letha Blair, Netawaka.
*Mrs. Charlotte Bleakley.
Ella Blumberg, Denison.
*Velma Bonham, Stafford.
*French Booher, Kincaid.
Helen Velma Boughton, Emporia.
Nellie Boyer, Emporia.
Fred August Brandner, Emporia.
Nellie Josephine Brown, Emporia.
Harry Samuel Buchannan, Emporia.
Christina Burk, Ottawa.
*Cora Jane Cain, Atchison.
Frieda Carbaugh, Emporia.
Fawn Carbaugh, Emporia.
Midget Carle, Neosho Rapids.
*Thelma Jo Carnagey, La Cygne.
*Lucile Carpenter, Burlingame.
*Nelle Carr, Fawter.
*Alice Mary Carter, Emporia.
Wm. Paul Carter, Harveyville.
*Ruth Chalk, Wathena.
*Mary Elizabeth Chestnut, Kincaid.
*Elsie Murle Childs, Sedgwick.
Ellis Christensen, Lost Springs.
*Hershel Joseph Clark, Perry.
Lura Cleaver, Emporia.
Ivol Cleeton, Neosho Rapids.
*Roy Cole, Oskaloosa.
*Lloyd Coleman, Overbrook.
*Roxie Collins, Hartford.
Gaylord Fenimore Cooper, Fairview.
*Edna Vores Copeland, Wichita.
Eula Snow Corey, Council Grove.
*Agnes Bessie Cowan, Athol.
*Genieve Craig, Waverly.
*Harry Crosswhite, Parker.
Anna Laura Crowder, Topeka.
Grace Crowell, Alta Vista.

COLLEGE SOPHOMORES—*continued.*

*Martha Crowley, Mulvane.
Gladys Cunningham, Emporia.
*Phyllis Davidson, Columbus.
*Clara Alice Davis, Clay Center.
Grace Helena Davis, Winchester.
*Maude Davis, Hartford.
Earl Dean, Hamilton.
*Ora Ethel Deakin, *Guymon, Okla.*
Ellsworth Dent, Council Grove.
Roy Denton, Kingman.
*Dorothy Detrick, Caldwell.
Margaret Deverau, Troy.
Nell Edna DeWill, Mumm.
*Mabel Body, Marion.
Floy Drury, Utopia.
Irl Dulebolm, Emporia.
*Jessie Edwards, Hiawatha.
Alice Winifred Elam, Parsons.
*Ruth Harriet Eldred, Emporia.
Floyd Erickson, Offerle.
Elizabeth Margaret Erwin, Belle Plaine.
Bertha Catherine Fastenau, *Neb. City, Neb.*
*Edith Mae Fellows, Neodesha.
*Helen F. Fisher, Emporia.
Blanche Foy, Osborne.
*Mary Elizabeth Frasur, Emporia.
John Wheeler French, Emporia.
*Nellie Inez French, Emporia.
Ora Pearl Fridley, Alma.
Minnie Victoria Froom, Vermillion.
*Edith Lorena Fruit, Gardner.
*Inez Evelyn Fulk, Lebo.
Temperance Dodge Fuller, Geneseo.
Ruth Gardner, Eureka.
*Nellie Gates, Anthony.
*Willetta German, Holton.
Grace Gerber, Meriden.
Sarah Gertrude Gillam, Pratt.
Edna Gilmore, Moran.
*Laura Ellen Girard, Morganville.
Mrs. Effie Gist, Emporia.
*Gladys Mabel Glenn, Holton.
*Claudie Mary Glover, Humboldt.
*Edith Godsey, Emporia.
Mabel Godsey, Emporia.
*Ethel Graham, Paola.
Ethel Mary Grant, Emporia.
*Eva Maybelle Grant.
Gladys Evelyn Grant, Emporia.
*Lula Lee Greene, Salina.
*John Greenlee, Americus.
Edith Greer, Marion.
Esther Wheeler Greer, Marion.
*Eleanor Hester Griffes, Hill City.
Minnie Griffiths, Ramona.
*Verdie Mae Griffith, Scranton.
Muriel Ella Groendycke, Medicine Lodge.
Wilhelmina Catherine Guffler, Emporia.
*Rachel Margaret Grove, Welda.
*Marie Gunsaullus, Fort Scott.
Effie Lee Hall, Minneola.
*Arthur C. Ham, Wilsey.
Mary Elizabeth Hargis, Fowler.
*Herbert Dale Harris, Maple Hill.
*Eva Rebecca Hartwill, Jamestown.
Frances Mary Hashvarger, Kincaid.
Wm. Paul Hatcher, Emporia.
Florence Gladys Haun, Freeport.
Helen Pierce Hawkes, Topeka.
*Vivian Delpha Haynes, La Cygne.
Virginia Haynes, Emporia.
Cecil Joe Henderson, Niotaze.
Ida Pauline Henderson, Neodesha.
*Edna Asenath Henley, Clyde.
*Emeline Fannie Hershey, Milton.
Roy James Higgins, Emporia.
Jean Annis Hill, Emporia.
Zelma Louise Hilton, Emporia.
Rose Juanita Hilty, Johnson.
*Zelma Louise Hilty, Johnson.
*Alma Ruby Hoag, Lebanon.
Elva Mae Hoag, Lebanon.
Hilda Grace Hoatson, Emporia.
*Jannette Edna Hodson, Paola.
Evelyn Lola Hollingsworth, Atchison.
*Violet Rose Hooker, Council Grove.
Jessie Adelaide Hopkins, Lawrence.
*Ruth Hopkins, Emporia.
*Mary Emma Hosley, Bayard.
Alta Ora Houston, Potwin.
Lucile Howard, Mulvane.
Harriett Elizabeth Howard, Yates Center.
Mary Priscilla Howe, Emporia.
Vada Marjorie Howell, Ottawa.
*Frances Esther Hoyt, Reading.
Agnes May Hudson, Salina.
*Veta Marie Humbarger, Salina.
Faye Valeria Irwin, Barnes.
Katie May Jacques, Ensign.
Pauline James, Emporia.
*Ollie Belle Jasper, Lebo.
Herbert Harold Johnk, Neosho Falls.
*Anna Pauline Johnson, Parsons.
Charles Theo Johnson, Emporia.
*Manila Louise Johnson, Wichita.
Mary Elizabeth Johnson, Barton.
*Merrill Nelson Johnson, Phillipsburg.
*Golda Jones, *Kansas City, Mo.*
*Marvin Lee Jones.
Beulah Kaiser. Atchison.
Glena Elizabeth Kathrens, Arrington.
*Georgiana R. Keener, Clay Center.
*Margaret Esther Kenton, Bonner Springs.
*Mrs. Carrie Smith Kerford, Atchison.
Lucile Opha Kinney, Cherryvale.
*Frieda Knoch, Lincoln.
*Veda Knoll, Severy.
Vera Knoll, Severy.
*Flo Myrtle Knowles, Emporia.
Lois Koontz, Emporia.
*Emma Kouns, Salina.
Ivan Fred Krehbiel, Scott City.
*Charlotte Ann Kunz, Emporia.
*Hazel Marie Laird, Emporia.
*Emelyn Elizabeth Laughlin, Americus.
Ida Elizabeth Layton, Irving.
Daniel Webster Lewis, Wichita.
*Magdlyn Logeman, Atchison.
*Frances Pauline Lynn, Valley Falls.
*Mabel Lynn, Valley Falls.
Helen McCahan, Topeka.
*Helen Marr McCartney, Attica.
Hazel Evelyn McClellan, Glasco.
Adda Mae McClure, Yates Center.
*S. Maud McConnaughey, Quincy.
*Ethel Dell McDaniel, Admire.
*Maude McFadden, Natoma.
Caroline Irene McFatter, *Germ, Tex.*
Lloyd Wesley McGahan, Burns.
*Buell Elbert McIntosh, Wilsey.
Dorothy May McKinney, Iola.
*Ruby Mae McKnight, Topeka.
*Catherine Loretta McLaughlin, *Raton, N. M.*
*Eldora McNerney, Lucas.
*Effa Louise Mahar, Ottawa.
*Ruthe Evangeline Malmgren, Falun.
*Ethel Huldah Manahan, Wellington.
*Minnie Frances Manger, Coffeyville.
Vivian June Manley, Topeka.
Ray Franklin Manly, Diamond Springs.
Hazel Marshall, Emporia.
Mildred Mary Mason, Yates Center.
Fern Maxwell. Americus.
*Hazel Meek, Centralia.
*Alice Elna Mellor, Waverly.
Grace Leone Metz, Ottawa.
Mamie Matilda Meyer, Linn.
*Iva Michael, Waverly.

COLLEGE SOPHOMORES—*concluded.*

Mary Elizabeth Michael, Burlingame.
*Clara Mae Miller, Great Bend.
*Ida Leona Miller, Sedgwick.
Lona Hortense Miller, Emporia.
Bess Edna Miner, Burlingame.
Mattie Mitchell, Lawrence.
Adeline Moore, Hartford.
*Mrs. Effie Lee Moore, Emporia.
Fatima Adeline Moore, Hartford.
Ruby Bernice Moore, Clay Center.
*Della May Morris, Clements.
Esther May Nanninga, Leonardville.
Ruth Louise Neal, Osawatomie.
*Pearl Josephine Nelson, White City.
Grace Nemecheck, Abilene.
Mrs. Adar May Nolte, Healy.
Ruth O'Farrell, Emporia.
*Bertha Mae Oliphant, Chanute.
Julia George Oliver, *Oklahoma City, Okla.*
*Jennie R. O'Loughlin, Lakin.
*Elizabeth Marie Orr, Newton.
Jennie Small Owen, Emporia.
Mark H. C. Owen, Williamsburg.
*Mary Agnes Patton, Sterling.
*Mary Ella Patton, Lawrence.
Robert Russell Paxton, Emporia.
*Mrs. Clara Perkins, Meade.
*Helen Gertrude Peters, Emporia.
Leona C. Peterson, Enterprise.
*Mildred Bertha Pfeiffer, Lorraine.
Vera Aileen Phegley, Lincoln.
Olive Grace Phelps, Olathe.
*Lillian Convith Phillips, Ottawa.
Helen Jeanette Pike, Chanute.
*Effie Maude Pittman, Valley Center.
*Bertha Orene Porter, Topeka.
*Frances Ruth Potter, Emporia.
*Marjorie Powell, Cherryvale.
Rex Palmer Powers, Emporia.
*Elsie Pratt, Herington.
Eunice Marie Pyke, Yates Center.
Lucian Robert Pyle, Emporia.
Jessie Delena Quick, Harveyville.
*Elizabeth Louise Quinn, Elwood.
*Ruby Louise Rage, Severy.
Evelyn Myra Ramsey, Ensign.
Violet Clarinda Randolph, Fairview.
*Mary Emma Ray, *Guthrie, Okla.*
*Sue Mabel Rawlins, Havensville.
*Elizabeth Ann Reardon, Tonganoxie.
*Esther Rebman, La Harpe.
*Trilby Oletha Redd, Horton.
*Esther Gladys Reed, Severance.
*Elizabeth Wanda Rich, Emporia.
Clarence Walter Rinehart, Arkansas City.
Nellie Gertrude Rorark, Lake City.
*Ceris Roberta Roberts, Marquette.
*Jamie Edith Roberts, Nevada.
Frankie Mildred Robertson, Coffeyville.
*Mrs. Marie Byrd Robinson, *Ok. City, Ok.*
*Velma C. Robson, Mayetta.
Trilby Esther Rogers, Meriden.
*Mathilde Rossier, Onaga.
Mae Pearl Roth, Bern.
Ruth Maldarine Rountree, Ash Grove.
Lee Charles Rugg, Emporia.
Charles Ruggles, Hazelton.
Alta May Sawyer, Topeka.
Annabel Sawyer, Topeka.
*Clara Eva Schmidt, Lorraine.
Marguerite Revecca Scott, Topeka.
*Mildred Adlene Scott, Topeka.
Daisy Elva Seevery, St. John.
Edith Grace Selves, Clements.
*Ruby Margaret Selzer, Eudora.
*Beulah Iona Shaw, Louisville.
Hazel Ruth Shepard, Emporia.
*Elizabeth Sherwood, Grenola.
Doria Ina Shultise, Wichita.
*Ensie Mae Slaback, Chanute.
*Laura May Smiley, Silver Lake.
*Alda Smith, Emporia.
*Alfred Dillon Smith, Chanute.
Annabel Lucile Smith, Scott City.
Beatrice Smith, Derby.
*Elizabeth Burtis Smith, Atchison.
*Eva Pearl Smith, Salina.
*Lura Sylvia Smith, Meade.
*Bessie Mae Snyder, Logan.
Granton Elbert Sower, Elmo.
Raymond George Spencer, Emporia.
Mabel Spielman, Overbrook.
Katherine Pearl Spiker.
*Ethel D. Steele, Tulsa.
*Nadine Watson Steepe, Kansas City, Kan.
Otti Russel Stites, WaKeeney.
Nora Sophia Stozz, Beattie.
*Ruth Stout, Winfield.
*Hazel Marguerite Strawn, Moran.
*Amelia Bess Sutton, Ottawa.
Helen Opal Swain, Erie.
*Blanche Swartley, Garden City.
*Mary Anna Swartz, Hutchinson.
William Harold Talbott, Emporia.
Cora Alma Tangeman, Newton.
Elizabeth Matilds Tangeman, Newton.
Cleo Helen Taylor, Atchison.
Florine Teichgraber, Emporia.
Emma Thomas, Emporia.
*Evelyn Mary Thomson, Osage City.
Laura Etta Thompson, Alma.
Anna Elizabeth Thorne, Kinsley.
*Bryan Earle Tomlinson, Grenola.
Bertha Miller Trechsel, Idana.
Victor Thomas Trusler, Emporia.
*Elizabeth Ellen Turner, Harveyville.
*Wilma Updegraff, Maplehill.
Violet Vance, Topeka.
Edith VanBuren, Sabetha.
*Hazel Genevieve Van Horn, Nortonville.
LaRue Van Winkle.
Mattie Vaughn, Emporia.
Cecil Mae Voshell, McPherson.
*Muriel Waldron, Emporia.
*Mattie E. Washburn, Spivey.
*Hazel Mary Watson, Mount Hope.
*Albert Weatherly, Emporia.
Clara Weida, St. John.
*Jessie Marie Wells, Emporia.
*Ethyle Mae Welton, Rantoul.
*Nellie Emma Westacott, Leon.
Vesta Mary Weston, Emporia.
Otis B. Whiteley, Emporia.
Doris Elizabeth Whitford, Stockton.
Lawrence Wevler, Emporia.
*Helen Mae Wilcox, Great Bend.
*Annie E. Williams, Emporia.
Lewis Rexford Williams, Emporia.
Vida Marie Williams, Liberty.
*Mae Lois Wilson, Carbondale.
*Mary Wilson, Formoso.
Harry DeMerle Wolf, Haven.
*Sara A. P. Wolff, Ottawa.
Gladys Wood, Wichita.
*Lois Wood, Emporia.
*Mary Irene Wood, Garfield.
Cora Blair Woodson, Moundridge.
Jennie Marie Woodward, Yates Center.
Eva Alice Woolsey, Emporia.
*Lutie Worthington, Paola.
Mabel Alys Yearout, Lyndon.
Sherman Kenneth Young, Eskridge.

COLLEGE FRESHMEN.

*Georgia Carl Abbey, Centerville.
*Charles Harold Abel, Perry.
*Abil Katherine Ablard, Kingman.
Kenneth Ira Abrams, Emporia.
Erma Marie Ackelbien, Emporia.
Anita Roberta Adams, St. John.
*Belle Eula Adams, Mount Hope.
Dollie Varder Adams, Iola.
*Edith Hazel Adams, Olathe.
*Flossie Helen Adams, Emporia.
*Grace Hazel Adams, Wellsville.
Helen Rilla Adams, Linwood.
*Ora Etta Adamson, Sedgwick.
*Laura Agnes Addington, Arkansas City.
Claire Tangeman Agrelius, Emporia.
*Mabel Ainslie, Oklahoma.
*Ida Mae Akright, Utopia.
*Florence Edna Altridge, Lexington.
*Jessie Alvena Alexander, Iola.
Grace Laberta Allen, Lenexa.
*Lela Velva Allen, Haviland.
*Lora Marian Allen, Winfield.
*Frances Evalyn Allison, Topeka.
*Wilma June Alvis, Yates Center.
*Blanche Johanna Amend, Sterling.
*Grace Opal Amick, Marion.
*Alice Irene Anderson, Assaria.
*Alta Beulah Anderson, Cheney.
*Aura Clifford Anderson, Wellington.
*Cora Christina Anderson, Neosho Falls.
*Dorma Lucile Anderson, Eskridge.
*Edna M. Anderson, Assaria.
*Ethel Anderson, Plevna.
Izetta Louise Anderson, *Muskogee, Okla.*
*Ida Malene Anderson, *Okmulgee, Okla.*
*Josephine Anderson, Meriden.
*Lela Marionette Anderson, *Muskogee, Ok.*
*Maggie Mae Anderson, Neosho Falls.
*Marie Winifred Anderson, Cheney.
*Alice Pattie Anderson, Alma.
*Victoria Anderson, Windom.
*Vida Lillian Anderson, Eskridge.
*May Pearl Andis, Montezuma.
*Clara Lillian Antene, Ada.
*Edna Catherine Antene, Bazine.
*Hazel Beatrice Arbogast, Osawatomie.
Scott James Armour, Emporia.
George Wilson Arnold, Emporia.
*Nellie May Armstead, Pratt.
*Ermine Katherine Arner, Lane.
*Alma Iris Arnold, Little River.
*Mrs. Cornelia Eldred Asher, Emporia.
*Olive Ellen Ashley, Pleasanton.
*Hazel Grace Atkinson, Haven.
Roy Atkinson, Haven.
John Rachmond Atwood, Fairview.
*Fern Nancy Austin, Harveyville.
*Loree Alma Averill, Wellsville.
*Madalyn Avery, Wakefield.
*Edna Pearl Aves, Fravel.
*Frances Louise Babcock, Harper.
*Leone Bacon, Kingman.
*Marie Bacon, Bavaria.
*Fern Hazel Baer, Pomona.
*Mollie Bain, Dunlap.
*Zola Anetta Baird, Buffalo.
*Bulah Mae Baker, Cedar Point.
*Elsie Jaine Baker, Clifton.
*Estella Mae Baker, Clifton.
*Helen Baker, Enterprise.
*Eva Baldridge, Kincaid.
*Beatrice Fern Baldwin, Valley Center.
*Elizabeth Ball, Olathe.
Helen Elizabeth Ball, *Kansas City, Mo.*
Lydia Marie Balmer, Emporia.
Reed Robinson Bang, Emporia.
*Mary Ruth Banks, Salina.
*Pearl Juanita Barber, Gas City.
*Victoria Clementine Barber, Pleasanton.
Eva Mae Barker, Topeka.
*Jessie Anna Barker, Paola.
*Edna Barns, Hazelton.
*Edna Lillian Barnes, Milton.
*Esther Alice Barnes, Atlanta.
*Laura Elizabeth Barnes, Greensburg.
*Ada Barnett, Atchison.
Daniel Frederick Barthel, Emporia.
*Columbia Elizabeth Bartley, Powhattan.
*Elta May Batcheller, Tescott.
*Dorothy Inez Bates, Nortonville.
*Esther Baughman, Reading.
*Edith Ruby Baur, Nortonville.
*Carter Wm. Baxter, Willis.
*Fred Alvin Baxter, Willis.
*Agnes Zelma Beal, Norwich.
*Adelyne Myrtle Beals, Neodesha.
Coram Beard, Washington.
Ella Lydia Beberbeyer, Enterprise.
Julia Priscilla Bebermeyer, Enterprise.
*Rogena Inez Beard, Washington.
*Grace Marie Beauchamp, Republic.
*Maude Ethel Beckett, Cheney.
*Christine Hermione Behrems, Westphalia.
*Melba Louise Behmer, Hamilton.
*Edna Olive Bell, Oneida.
*May Bell, Yates Center.
*Una Campsydelle Bell, Council Grove.
*Matilda Elizabeth Bender, Bucklin.
*Sybel Avice Benjamin, Nickerson.
*Ada Irene Benton, Osage City.
Lillian Marie Benton, Kansas City.
*Grace Anna Bergin, Effingham.
*Flora Mae Berry, McLouth.
*Beulah Agnes Best, Hazelton.
*Mabel Esther Best, Admire.
*Rachel May Best, Bushong.
*Ruth Myrtle Betterly, Emporia.
Marjorie Elizabeth Bettis, Independence.
*Isla Cleo Bieler, Irving.
*Lucy May Billings, Downs.
*Sarah Ella Vird, Haviland.
James Roy Bitler, Emporia.
*Dora Jane Black, McLouth.
*Helen Marceline Black, Sterling.
*Mollie Esther Black, Winfield.
*Clara Belle Blake, Moscow.
*Lola Lucile Blake, Coldwater.
*Florence Marie Blankenship, Eskridge.
*Stella May Blanton, Pawnee Rock.
*Ida Winifred Blazer, Sabetha.
*Lena Mable Bliss, Pomona.
*Freda Mae Blossom, Dunlap.
*Mable Lucille Blymm, Fredonia.
*Ruth Elizabeth Boal, Clifton.
*Alta Viola Bodine, Burlingame.
*Esther Beatrice Bogle, Council Grove.
*Ruth Esther Bollen, Horton.
*Essie Mae Bollinger, Utica.
*Ethel Carolyn Boind, Cassoday.
*Mary Burzilla Bonnell, Neodesha.
*Melinda Bonnell, Effingham.
*Helen Bowden, Grenola.
*Ruth Velma Bowen, Horton.
*Lenora Ellen Boyd, Silver Lake.
*Zoe Boyd, Winchester.
*Elizabeth Boyer, Emporia.
Beatrice Violet Boyer, Welda.
*Mildred Janet Boylan, Arkansas City.
Anna Meldana Braley, Horton.
Nelda Belle Bramwell, Emporia.
*Mary Elizabeth Brandly, Burlington.
Paul Brandt, Ramona.
Edna Anna Brechiesen, Offerle.
*Eram Aurelia Brehm, Ramona.
*Vera Barbara Breithaupt, Eudora.
*Ruth Martha Bridwell, Delphos.

COLLEGE FRESHMEN—*continued.*

Burton Claud Briggs, Emporia.
*Emma Brien, Bern.
*Enna Margaret Briner, Oskaloosa.
Francis William Briner, Oskaloosa.
*Ema Bae Britton, *Storington, Colo.*
*Fern Lois Brocey, Galva.
*Fern Ethyl Brock, Oskaloosa.
*Florence Caroline Brodhead, Wakefield.
*Lucile Brodie, Emporia.
*Mary Brodie, Emporia.
Hugh Brogan, Emporia.
Mary Brogan, Emporia.
Gertrude Austelia Brooks, Kansas City.
Grace Cassandra Brown, Kansas City.
Esther Brown, Halstead.
*Helen Marguerite Brown, Pretty Prairie.
*Irene Violet Brown, Newton.
*Myrtle Brown, Eskridge.
Shirley Arline Brown, Emporia.
*Susan Brownell Brown, Norwich.
*Vira Brown, Edmond.
*Ora Mae Brownfield, Holton.
*Kizzie Brubaker, Lone Stop.
Florence Estella Bruce, Emporia.
Gladys Ellora Bruce, Emporia.
*LaVina Erma Bruce, Garden City.
Geraldine Imogene Bryant, Salina.
*Helen Lois Bryan, Dexter.
Grace Wilhamine Bucheim, Osage City.
*Mary Irene Bucheim, Lawrence.
*Clellah Beatrice Buck, Emporia.
*Margaret Geraldine Buck, Olathe.
*Ethel Viola Buffon, Burns.
*Edith Frances Bunch, Strong.
*Amy Belle Burge, Lyons.
Martha Katherine Burger, Macksville.
*Ameria Estelle Burgess, Eminence.
*Esther Mae Burnett, Hutchinson.
*Georgia Elizabeth Burns, Carbondale.
*Beulah Peral Burks, Osawatomie.
*Doris Arbelle Burkhead, Beloit.
*Clara Ethel Burris, Centerville.
*Cecil Burroughs, Plainville.
*Doris Elene Burton, Parkerville.
Gladys May Butterfield, Delphos.
*Blanche Edith Byerly, Humboldt.
*Opal Jennie Cabbage, Osage City.
*Genieve Ella Cades, Sedgwick.
*Ethel May Cain, Liberal.
*Christine Campbell, Kirwin.
*Lottie Campbell, Osawatomie.
*Winifred Nina Campbell, Minneapolis.
*Mabel Pearl Canfield, Ottawa.
*Edith Augusta Carlson, Emporia.
*Leona Helen Carlson, Emporia.
Evangeline Eleanor Carlson, Emporia.
*Ethel Carpenter, Chanute.
*Fanny Liberty Carpenter, Council Grove.
*Faith Carpenter, Jewell.
*Garnet Elizabeth Carpenter, Fredonia.
*May Irene Carpenter, Paola.
*Merle Marie Carrigan, Effingham.
*Frances Lucretia Carter, Chanute.
Lewis Wright Carter, Harveyville.
Marie Nell Carter, Emporia.
*Vivian Anna Carter, Peoria.
Wilbur James Carter, Cunningham.
*Fern Vida Case, Alta Vista.
*Lois Helen Case, Alta Vista.
*Louise Casey, Princeton.
*Mayme Casey, Cherryvale.
*Blanche Elizabeth Cavener, Quenemo.
*Mary Elizabeth Cawley, Valley Falls.
Hazel Elizabeth Cellar, Barnard.
*Minnie Roberta Chadd, Courtland.
*Adah Pearl Chadwick, Lawrence.
*Mildred Jeanette Chambers, Sedan.
*Rebecca Gladys Chandler, Dunlap.
Cecil Dee Chapman, Glasco.
*Ethel May Chapman, Glasco.
*Esther Olive Chase, Protection.
William Otis Chatterton, Emporia.
*Nola Floy Cleeton, Neosho Rapids.
*Edith Childs, Buffalo.
*Lillian Lucile Church, Oketo.
*Edward Eugene Clon, Hollis.
*Harriet Catherine Clark, Valley Center.
Leland George Clark, Buffalo.
*May Rose Clark, Neodesha.
*Nina Leigh Clark, Cassoday.
*Mabel Irene Clarkson, Anthony.
*Esther Clelland, Emporia.
Martha Josephine Clelland, Emporia.
*Mary Helen Clema, Frankfort.
*Bessie Fay Claflin, Benedict.
*Electa Victoria Clinton, Harper.
Laura Cloud, Emporia.
Ruth Harriett Clow, Emporia.
*Nettie Beatrice Coffman, Overbrook.
*Nell Rsoneya Colbert, *Okmulgee, Okla.*
Vera May Coleman, Onieda.
*Gretta Alice Collins, Belleville.
*Harry Lowell Collins, Perry.
*June Ethyl Collins, Eureka.
*Marguerite Elizabeth Collins, Dunlap.
*Alice Elizabeth Cook, Dodge City.
*Anna Catherine Cook, Dodge City.
*Goldie Cook, Pendennis.
*Jessie Elizabeth Cook, Udall.
*Marguerite Amy Cook, Osawatomie.
*Stella Grace Cook, Bucklin.
*Ethel Fern Cooper, Solomon.
*Ora Cooper, Delia.
*Elsie Hugh Cope, Bigelow.
*Fred Funston Cope, Holton.
*Ruth Cope, Iola.
*Marie Lydia Copeland, Severy.
*Mabel Devonne Corey, Hutchinson.
*Mary Evelyn Cougher, Piedmont.
*Ruth Cougher, Piedmont.
*Juanita Councill, Garden City.
*Hazel Marie Countryman, Formoso.
*Isal Amelia Covart, Gridley.
*Esther Evelyn Cowdrey, Maplehill.
*Rowena Lauar Cowden, Reading.
*Grace Evans Cox, Leavenworth.
Dorothy Jean Craig, Osage City.
Jessie Craig, Osage City.
*Sara Dee Craig, Melvern.
*Merle Alice Cress, Council Grove.
Maggie Faye Critchlow, Glen Elder.
*Minnie Ellen Crites, Maxwell.
*Virginia Crews, Maxwell.
*Marguerite Orral Crilly, Galva.
*Ona Merle Crist, Harper.
John Walker Cross, Emporia.
*Mrs. Osa Crosswhite, Parker.
*Violet Crouch, Muscotah.
*Hazel Irene Crowley, El Dorado.
*Mabel Bell Crowther, Grenola.
*Grace Marian Croyle, Richmond.
*Cleo Faye Crum, Sedgwick.
*Canie Crumb, Burlingame.
*Beatrice Cubbison, Bronson.
Ernest Cunningham, Hope.
*Eva Marie Cunningham, Greeley.
*Floye Zelma Cunningham, *Okmulgee, Okla.*
*Hazel Anna Cunningham, Cheney.
*Sadie Emilie Cunningham, Atlanta.
*Agnes Mary Curran, Everest.
*Grace Catherine Curran, Everest.
*Rose Ella Curtis, Denton.
*Maude Cushing, Kincaid.
*Sarah Bernice Cuthbertson, Girard.
*Nora Beatrice Daily, *Guyman, Okla.*
*Gladys Pauline Dallas, Harveyville.
*Helen Elizabeth Danna, Gardner.
*Blanche Elizabeth Danner, Buffalo.

COLLEGE FRESHMEN—*continued.*

*Gladys Viola Danner, Cunningham.
*Sadie Esther Danner, Le Roy.
*Celia Roberta Davidson, Yates Center.
*Bernice Edna Davis, Rossville.
*Mildred Blanch Davis, Ingalls.
Mount Erwin Davis, Douglass.
*Theodosia Hartsel Davis, Olpe.
*Violette Davis, Neosho Rapids.
*Willa Mae Davis, Salina.
*Hazel Catherine Dawson, Paxico.
*Winifred Dawson, Emporia.
*Glenn Webster Day, Selma.
*Wilma Dean, Delphos.
*Henrietta Olga Deaver, Cassoday.
*Florence Deeble, Lucas.
*Ethyl Hildred Dempsey, Mankato.
*Anna Denney, Oil Hill.
*Hazel Inez DeTar, Wellsville.
Flossie Dettmer, Bushong.
*Neva Nell Day, Newton.
Frieda Allyn Dickey, Valley Falls.
*Edna Dorothy Dietrick, Carbondale.
*Zenobia Paige Diggs, Parsons.
*Isaacs Tobias Dirks, Buhler.
*Myrtle Etta Dittmore, Highland.
*Anna Mae Dittmer, Liberal.
*Edna Merle Dittman, Bancroft.
*Gertrude Elnora Doebele, Hanover.
David Elvin Donaldson, Emporia.
*Golda Lois Donnelley, Baileyville.
*Mabel Arline Doty, Reading.
*Hallie Lucile Douglass, Winfield.
*Vinnie Mildred Douglass, Mullinville.
Rebecca Eliza Drake, Piedmont.
Russel Payson Drake, Emporia.
*Irene Josephine Dugger, Ottawa.
*Gladys Duncan, Columbus.
*Dora Dunham, Randall.
*Vashti Dunham, *Guyman, Okla.*
*Lora Naomi Dunkle, Summerfield.
*Helen Vore Dunlap, Reece.
*Florence Dunshee, Douglass.
*Maude Dunson, Iola.
*Mary Wilhelmina Dusch, Hanover.
Roy Durham, Toronto.
*Mary Euphenia Easterly, Downs.
*Lovilla Parsons Eastham, Miltonvale.
Dorothy Mae Eastman, Matfield Green.
Floyd Sumner Ecord, Garnett.
*Clara Edgar, Cherryvale.
*Leah Mary Edmond, Parsons.
Catherine E. Edwards, Emporia.
Gwynne Atherton Egbert, Cimarron.
*Ruth Egbert, Cimarron.
*Katherine Elizabeth Ehart, Easton.
*Agnes Huston Elgin, Hazelton.
*Flora Lucile Ellenberger, Bazine.
Bernadine Marie Ellis, Douglass.
Merle Dewain Ellison, Cunningham.
*Mrs. Ruth Ellison, Hoyt.
*Ethel Eliza Emrick, Belleville.
*Letha B. Embry, Towanda.
*Edith Josephine Emrick, Belleville.
*Vera Pauline Endsley, Deerfield.
*Oscar Erwin Engel, Hope.
*Beulah English, Effingham.
*Julia Thomas England, Greensburg.
Frances Greer Esbees, Olathe.
*Stella Evelyn Eshbaugh, Fall River.
*Edith Evans, Cimarron.
*Laura Irene Evans, Burden.
*Mildred Irene Evans, Jewell.
*Ola Lillian Evans, Wellington.
Ora Esther Evans, Wellington.
*Elizabeth Margaret Erwin, Belle Plaine.
*Ruby Bess Fail, Geneseo.
*Vaughn Frankhauser, Haviland.
*Effie Mae Farmer, Liberal.
*Julia Farrar, Ackerland.
*Glenn H. Faubion, Agra.
*Blanche Ellen Fauerback, Maplehill.
*Gerald Fauley, Mt. Hope.
*Mabel Marie Faulkner, Cheney.
*Nelle Irene Felt, Logan.
*Bertha Hazel Fenner, Jewell.
*Myrlie Maurene Fenner, Jewell.
*Cora Elizabeth Fischer, Kensington.
*Mabel C. Fishburn, Overbrook.
*Neva Lelia Fishburn, Overbrook.
*Ruth Bernice Fishburn, Overbrook.
*Ella Fisher, Soldier.
*Emma Rebecca Fisher, Emporia.
*Erma Loraine Fisler, Arkansas City.
*Mattie Matilda Fisk, Haviland.
Donald B. Fitch, Wichita.
*Eula Vivian Flagler, Severy.
Esther Marion Fleming, Summerfield.
*Mary Helen Fletcher, Pratt.
*Sallie Victoria Floyd, *Oklahoma, Okla.*
*Edna Lorena Fleming, Soldier.
*Myrtle Belle Flora, Overbrook.
*Mabel Berta Forbes, Bazine.
Marion Forbes, Carbondale.
*Edith Levia Ford, Moran.
*Etta Julia Ford, Lindsey.
*Lucy Rebecca Forker, Haven.
Robert Hayden Forney, Cottonwood Falls.
*Nora Ella Forrester, Moline.
*Anna Mae Foster, Hamilton.
*Frances G. Foster, Hamilton.
*Mary Helena Foster, Virgil.
Lottie Maude Fowler, Lucas.
*Ruth Helena Foulk, Calista.
*Sadie Maurine Fowler, Kingman.
*Viola Edna Fowler, Winfield.
Lena Kathleen Fox, Olpe.
*Lora Sophia Frankamp, Republic.
*Hazel Mae Frank, Flush.
*Irene Franz, St. Marys.
*Mabel Elizabeth Frazier, Montezuma.
Minnie Lee Freeman, Anthony.
*Fern French, Emporia.
*Leah Frances Friend, Spivey.
Effa Excelene Fritz, Whiting.
*Lulu Javannah Fritz, Whiting.
*Ella Fromm, Elmo.
*Dorothy Mabel Frost, Blue Rapids.
Ada Pearl Fry, Sedgwick.
Hazel Clare Fulk, Lebo.
*Hazel Winnie Funston, Carlyle.
*Sophia Lucille Fuqua, Lyons.
*Mary Margaret Fyfe, Fredonia.
Emma Sarah Gardner, Hartford.
James Lawrence Gardner, Kansas City.
*Mary Philena Gardner, Carbondale.
*Helen Florene Garner, White City.
Florence Fern Garringer, Mound Vale.
*Edah Alice Garrison, Ingalls.
Myrtle Eleanor Garrison, Waverly.
*Meredith Garten, Emporia.
Perry Gasaway, Emporia.
Lula Augusta Gavin, Lawrence.
*Theresa Margaret Gaza, Esbon.
Gertrude Mary Geesling, Turon.
*Dot George, LeRoy.
Ethel Laverne Genesman, *Enid, Okla.*
*Lois George, Burlington.
*Mary Dorleska George. *Guymon, Okla.*
*Ruth Olive George, Neodesha.
*Alma Irene Geyer, Herington.
*Elva Bernice Giger, Allen.
*Mary Alice Gilges, Barclay.
Elsie Margaret Gilkerson.
*Dean Gilley, Kinsley.
*Mildred Gillispie, Harper.
Lelia Elmo Gipon, Kansas City.
*Elma Annie Girard, Morganville.

COLLEGE FRESHMEN—*continued.*

*Evelyn Lois Glasco, Piedmont.
*Alice Esther Gleason, Alta Vista.
*Bertha Lee Glenn, Lecompton.
*Hester Yoder Goldsmith, Cheney.
*Mrs. Edna F. Gooch, Emporia.
Winona Agnes Goodno, Bronson.
*Ethel Thelma Gordon, Rosedale.
*Florence Marguerite Gordon, Admire.
*Margaret Gorman, Hartford.
*Thelma Elizabeth Graham, Summerfield.
*Amy Carolyn Grant, Concordia.
Florence Malvina Grant, *Toulton, Okla.*
Mellicent Irma Grant, Topeka.
Pansy Ura Grant, Topeka.
*Ferne Amanda Graves, Harper.
*Clara Esther Greek, Osage City.
*Nannie Emma Greeley, Nortonville.
*Alma Day Green, Madison.
*Edyna Mae Green, Madison.
*Helen Beatrice Green, Madison.
*Sarah Ann Green, Admire.
Verna Margueritte Green, Garnett.
*Bessie Annette Greene, Salina.
Ethyl Clara Griesinger, Anthony.
*Mary Estellene Greer, Kansas City.
*Edna M. Greeves, Lansing.
*Goldie Eugenia Griblin, Virgil.
*Mildred Viola Griblin, Virgil.
*Emily Iatan Griffin, Lenora.
*Fay Griffin, Mineral.
*Musa Alice Griffin, Lenora.
*Nellie Elizabeth Griffith, Elmont.
Murvin David Grimes, Burlington.
*Florence Berna Gulick, Garden City.
*Ethel Gunnels, Yates Center.
*Sophia Anna Gurtler, Beattie.
*Elva Lou Gwartney, Easton.
*Lydia Opal Hackler, Chanute.
*Mrs. Mary Grace Haffa, Emporia.
*Hazel Jane Hagan, Hamlin.
*Isabel Marguerite Hagenmaier, Nortonville.
*Ruby Belle Hegler, Salina.
*Esther Marian Halberstadt, Delphos.
*Lefa Mae Haile, Haviland.
*Florence Adelia Hale, Dexter.
Gladys Geraldine Haley, Delphos.
*Helen Marie Hall, Neodesha.
*Margaret Mary Hall, Emporia.
*Ruth Henrietta Hall, Minneola.
*Lucile Gertrude Hallock, Englewood.
*Bess Lillie Hamill, Grenola.
*Jane Foxe Hamilton, Columbus.
Robert Logan Hamilton, Topeka.
*Irene Maire Hamm, Holton.
*Clara Rosama Hammond, Brandon.
*Hazel Etta Hammond, Courtland.
*Lydia Hannah Hammond, Courtland.
*Stella May Handkins, Cheney.
*Mary Lela Haney, Courtland.
*Edith L. Hanna, Winfield.
*Mabel Stilene Hansen, Turon.
Floyd Harvey Hanson, Chanute.
*Evadean Mary Harclerode, Bronson.
*Mary Etta Harclerode, Moran.
Laurence Marguerite Harder, Dunlap.
*Gladys Vera Dark Harding, Lecompton.
*Velma Jennette Harding, Wakefield.
*Ruth Morial Hardy, Blue Mound.
*Gladys Harris, Maplehill.
*Lora Ellen Harris, Potwin.
*Mary Helen Harrar, Fort Scott.
Neva Belle Harrod, *Ponca City, Okla.*
*Stella Grayce Hart, Randall.
*Clara Bertha Hartman, Ozawkie.
*Crystal Beatrice Hartman, Plevna.
*Susie Cheatom Hartman, Uniontown.
*Frances Cameron Harvey, Osawatomie.
Reba Ruth Harvey, Emporia.
Earl Hassinger, Americus.
Lawrence David Hatfield, Belle Plaine.
Wilbur Wayne Hatfield, Belle Plaine.
Helen Haun, Freeport.
Christene Margaret Hausam, Emporia.
Clarice Lindley Hausam, Emporia.
*Florence Maria Havekotte, Lawrence.
*Erma Alice Hawk, Effingham.
*Ethel Lee Hawk, Ottawa.
*Esther Viola Hawke, Meriden.
*Bertha Mabel Hankins, Paxico.
*Jennie Grace Hawkins, Columbus.
*Ruth Veida Haworth, Leavenworth.
*Elizabeth Mary Haury, Moundridge.
*Ella Blanche Hay, Wellsville.
Wilda Marguerite Hay, Eskridge.
*Cordelia Amelia Hayden, Lexington.
Frances Maud Hayes, Topeka.
*Blanche Hayward, Pratt.
*Leata Olive Heath, Ensign.
Bertha Pauline Heaton, Emporia.
Jewelle Mairee Heaton, Emporia.
*Thelma Jane Heaton, Atchison.
*Bessie Amarillis Hegle, Lost Springs.
*Mrs. Mary Schneider Heintz, Detroit.
*Celia Heisel, Wichita.
Carl Martin Lelgeson, Galva.
*Nina Heller, Lincoln.
*Claire Marie Helm, Chanute.
*Sylvia Belle Helmer, Republic City.
*Alice Alberta Hemphill, Broughton.
*Helen Louise Hendricks, Climax.
*Ursula Christine Henley, Olathe.
*Carrie Kathryn Hennessey, Easton.
*Bertha Viola Henry, Nortonville.
*Mary Kathreen Henry, Nortonville.
*Vera Ethel Hensley, Emporia.
*Olive Hazel Hering, Stafford.
*Mabel Herrin, Leavenworth.
Kitten Viola Herring, Lost Springs.
*Margaret Kathryn Heshion, Downs.
*Nettie Lillian Hess, Oneida.
*Helen Irene Hessy, Alta Vista.
*Kathryn M. Hetherington, Emporia.
*Mary Alice Hetherington, Emporia.
*Lois Mary Hettick, Quenemo.
*Mabel M. Hevener, Harris.
*Blanche Marie Hicks, Ottawa.
*Dollie May Higgins, Ottawa.
*Bessie Ruth Hilbert, Winfield.
*Florence Marjorie Hildreth, Herington.
*Lola Olivia Hill, Chapman.
*Ruth Rosalind Hill, Galva.
Verna Laurel Hill, Emporia.
Wilma Hill, Emporia.
Helen Elizabeth Hilton, Emporia.
*Mildred L. Hilts, Anthony.
*Esther Hillabold, Stafford.
*Essie Manila Hillman, Hamilton.
*Fred Kimpton Hinchman, Dunlap.
Merle Edgar Hinton, Arkansas City.
*Florence Lavinia Hintz, Neodesha.
*Beulah Alida Hittle, Mayetta.
*Alice Belle Hoadley, Cimarron.
*Alma Addelene Hoadley, Cimarron.
*Leota Abilene Hoag, Jewell.
*Carrie Mae Hobson, Richmond.
*Edith Emma Hobson, Courtland.
*Hesper Mae Hodges, St. George.
*Christie Belle Holcomb, Coffeyville.
*Gladys Lorene Holeman, Bronson.
*Thelma Mae Holland, Dunlap.
*Willa Harriett Holland, Macksville.
*Mrs. Daisy Browning Holliday, Rose.
*Vesta Edna Holm, Newton.
Harold Byron Holmes, Clement.
*Lena Marie Holmes, Fredonia.
*Grace Esther Holt, Barnes.
*Vera Lee Hoopes, Pomona.
*Della Viola Hopkins, Emporia.

COLLEGE FRESHMEN—*continued.*

*Lelia Maude Hosterman, Emporia.
*Lela Mildred Hostetler, Wetmore.
*Bessie Hotchkiss, Burlingame.
*Estella Lois Hottenstein, Humboldt.
*Beulah Audrey Houlton, Florence.
*Laura Hovorka, Tecumseh.
*Martha Alice Hovorka, Tecumseh.
*Lola Bernice Howe, Belleville.
*Matilda Irene Hower, Lincoln.
*Mary Antonette Hoyen, Marion.
*Edith Rachel Hubbard, Pittsburg.
*Irma Edith Huenergardt, Durham.
*Eulala Huffman, Herington.
*Vera Florence Huffman.
*Myrtle Josephine Huffman, Clifton.
*Jennie Hughes, Garden City.
*Lorene Francis Hughes, Hamilton.
*Leona Hughes, Carbondale.
*Nell Irene Hulpien, Garden City.
Ruth Elizabeth Hultquist, Lindsborg.
*Freeda Viola Hume, Humboldt.
*Elsie Hildred Hummer, Earleton.
*Susie Inez Humphries, Williamstown.
*Ethel Lillian Hundertmark, Lincoln.
*Gladys Hundertmark, Lincoln.
Cora Anna Hunt, Americus.
*Frances Willard Hunt, Americus.
*Leta Lorena Hunt, Barclay.
*Cora Martha Hunter, Barnard.
*Florence Malinda Hunter, Barnard.
Martha Washington Hunter, *McAlester, Okla.*
*Ruth Irene Hunter, Barnard.
*Edith Carol Husie, Tonganoxie.
*Ozeta Alice Hutchinson, Canton.
*Vivo Mae Hutton, Edgerton.
*Avis Eleanor Ingalls, Washington.
*Clara Mae Irwin, Conway Springs.
*Avis Leaon Isaac, Moran.
Fred Rife Isaac, Peabody.
*Jewell Elizabeth Jacks, *Mauzaulo, Colo.*
*Rose Lily Jacot, Moline.
*Marion Ethel Jacques, Valley Center.
*Verna Belle Jacques, Valley Center.
*Ava May James, Welda.
*Florence Emma James, Lenexa.
*Fladys Marie James, Rossville.
*Cora Elsie Jameson, Olathe.
Gladys Irene Jaquith, Americus.
*Melba Vada Jarrett, Topeka.
*Gladys Jenkins, Danville.
*Irma Jane Jenkins, Danville.
Marn Marie Jensen, Emporia.
Anna Marie Johnson, Alta Vista.
*Bernice Lake Johnson, Simpsons.
*Claude Melvin Johnson, Phillipsburg.
*Edith Celestene Johnson, Brookville.
*Helen Eleanor Johnson, Severy.
Helen Louise Johnson, Emporia.
*Lillian Marie Johnson, Clay Center.
*Lillian Olive Johnson, McPherson.
Margaret Helen Johnston, Garfield.
*Nellie Johnson, Larned.
*Pearl Johnson, Sterling.
*Beulah Jones, Matfield Green.
*Ethel Lorna Jones, Hartford.
Gerald Wm. Jones, Emporia.
*Ola Josephyne Jones, Ramona.
Ross Francis Jones, Le Roy.
*Vera Elizabeth Jones, Osage City.
Leota Vernice Jordan, Newton.
Myrtle Pearl Joseph, Sedgwick.
Ruth May Justis, Kiowa.
*Helen Caroline Kahn, Dwight.
*Christine Kantz, Wichita.
*Katherine Margaret Kaup, Downs.
Mabel Edna Kealy, Dunlap.
*Harriet Josephine Keeran, Paola.
*Floyd Eugene Kehler, Emporia.
*Vergie Mae Kein, McPherson.
*Olive Pearl Keirns, Downs.
*Marjorie Lucille Keith, Spearville.
*Veva Mabel Keith, Moran.
*Kathryn Anna Kellenberger, Iola.
*Ida F. Keller, Frankfort.
*Marion Amelia Keller, Le Roy.
Mabel Marguerite Kellerman, Burlington.
*Gertrude Lillian Kelly, Wichita.
*Mary Lavine Kelly, Neosho Rapids.
*Vona Birdeau Kelsey, Greeley.
*Gladys Mae Kemp, Sharon.
*Ruth Theda Kemp, Sharon.
Floyd Kendig, Emporia.
*Bernice Fern Kennedy, Rock.
*Joy Vay Kennedy, Independence.
*Marion E. Kennedy, Rock.
*Thelma Jane Kennedy, Rosedale.
*Ethel Gladys Kenton, Haddam.
*Dorsey Ellen Kerr, Moran.
*Leida McLaren Kerr, Toronto.
*Josephine Margaret Kerstin, Belleville.
*Mary Magdalene Kesinger, Greensburg.
Inez Louise Kiesow, Arkansas City.
*Amanda Kile, Longdale.
*Anna Kelliher, Esbon.
*Beryle S. King, Fowler.
*Dollie Grace King, Centralia.
*Floy King, Kansas City.
*Gail Marjorie King, Little River.
*Lucy Elizabeth King, Barclay.
*Ilo Imogene Kinney, Cherryvale.
*Lucy Mary Kinsey, Montrose.
*Hazel Kinzie, Hiawatha.
*Eva Hildred Kipper, Belleville.
*Donald Emory Kirby, Tonganoxie.
*Hazel Gertrude Kirk, Flint Ridge.
*Tillie Josephine Kirkeminde, Council Grove.
*Enda Linkerman, Canton.
*Ethel Anite Knight, Bucyrus.
*Harriet Ann Knight, Hartford.
*Louise Wilhelmina Loehler, Lawrence.
*Theodore Wilhelmina Koehler, Salina.
Frances Gertrude Kohler, Lincoln.
*Emma Julia Koller, Moundridge.
*Anna Marguerite Koppers, Humboldt.
*Clara Korb, Lawrence.
*Una Mae Kostor, Miltonvale.
*Elizabeth Belle Krabbenhoft, Englewood.
*Louise Mar Kroeker, Cheney.
*Lorah Kroth, Soldier.
Amanda Caroline Kruse, Frederick.
*Martha Emma Krueger, Yates Center.
*Verna Susan Kuebler, Pomona.
*Effie Arletta Kuhns, Harper.
*Eva Elvens Kuhns, Columbus.
*Mrs. Bertie Kunz, Emporia.
Lottie Louise Kutnink, Moundridge.
Paul Edwin Kutnink, Moundridge.
*Ina Mae Kutz, Fowler.
Katherine Kyger, Winfield.
Alice Lamber Lacy, *Hydro, Okla.*
*Mary Hildred Lacy, Garnett.
*Minnie Gladys Lady, Abilene.
*Lucille Laird, Emporia.
*Lilliam Beatrice Lanam, Minneola.
*Laura Brown Lane, Independence.
*Marjorie Gertrude Lane, Independence.
*Edna Marie Lannagan, Burlington.
*Ethel Marcia Lantz, Sylvia.
*Agnes Theresa Laptad, Lawrence.
*Bess Marie Larkins, Holton.
*Ella Marie Larson, Ottawa.
*Esther Elizabeth Larson, Enterprise.
*Ida Sophie Larson, Horton.
*Lela LaRue, Hamilton.
*Ellen Faye Latta, Norwich.
*Ruth Clara Lauffer, Piedmont.
Lillie May Laughlin, Emporia.

COLLEGE FRESHMEN—*continued.*

*Leulla D. Lawson, *Oklahoma City, Okla.*
Llewellyn Cryill Leavell, Allen.
*Edna Carrol Lee, Louisburg.
*Faye Irma Leedom, Augusta.
*Mary Gladys Leedom, Augusta.
George Henry Leeper, Harper.
*Nelle Annette Leftridge, Kansas City.
*Helen Marie Lehman, Winfield.
*Helen Leibengood, Paola.
*Ruth Agnes Leith, Wilmore.
*Hazel Fern LeMaster, Ottawa.
*Fannie Len, Madison.
*Freda Mary Leonard, Hutchinson.
*Gertrude Estella Leonard, Alma.
Lelia Ima Lepson, Holton.
*Zola Mae Lesley, Beloit.
*Eula Alden Leslie, Ashland.
*Fannie Marie Lewelling, Delia.
Bessie Hazel Lewis, Halstead.
*Flossie Mae Lewis, Belleville.
*Hazel Augusta Lewis, Topeka.
*Mary Hattie Lewis, Dewey.
Reese Lewis, Emporia.
*Olga Ley, Kinsley.
*Lena Elizabeth Lidikay, Wellsville.
Ruth Evelyn Lindfors, Assaria.
Vera Ingeborg Lindholm, Falun.
*Effie Anna Lindley, Winfield.
*Tessie Elizabeth Litchfield, Raymond.
Wilma Lloyd, Emporia.
Lawrence Eugen Lockwood, Emporia.
*Helen Irene Lohmiller, Salina.
*Cecile Lomax, Emporia.
George Jennings Lomax, Emporia.
Daisy Evelyn Long, Kansas City.
*Edna Mae Long, St. John.
Ionia Bernita Long, Lincoln.
*Mary Blanche Longstreth, Brownell.
*Gertrude Losey, Clay Center.
*Ida Mae Louderback, Le Roy.
*Dora Belle Louk, Michigan Valley.
*Dorothy Elizabeth Love, Marion.
Paul C. Loveless, Marion.
*Gladys Love, Council Grove.
*Marjorie Rebecca Lowe, Olathe.
*Vera Alda Lozuaway, Havensville.
Ruby Mary Lucas, Emporia.
Katherine Lund, Alma.
*Ada Inez Lundquist, Lindsborg.
*Blanche Vera Lunt, Pratt.
*Howard Brian Lusk, Olivet.
*Fern Juanita Lyon, Grenola.
*Rudenia Florence Lyon, Fredonia.
*Thelma McAdams, Topeka.
*Hattie McAllister, Holton.
*Mary Elizabeth McAllister, Holton.
Glee Marie McAuley, Americus.
*Lucille Mary McCabe, Sedgwick.
Maurine Helen McCabe, Sedgwick.
*Mary Illine McCall, Norton.
Cecile Lois McCandless, St. John.
*Mamie Ruth McCarter, Louisburg.
*Vena Pearl McCarter, Lewis.
*Bessie McChesney, Blue Rapids.
*Rita Effie McChesney, Windom.
*Mrs. Lula Bell McCain, Kansas City.
*Lois Lenore McClaud, Hamilton.
Joseph Jefferson McClure, Emporia.
*Blanche Irene McCullough, Randall.
*Eva May McCollough, Randall.
*Edna Ruth McConnaughey, Quincy.
*Alice McCormick, Elmo.
*Frances Helen McCormick, Minneapolis.
*Grace I. McCormick, Yates Center.
*Helen Dorothy McCormick, Yates Center.
*Mary Edna McCormick, St. John.
*Hazel Lucille McCoy, Admire.
*Nina Elizabeth McCullough, Belleville.
Kay E. McCune, Downs.
*Esther Harriett McDaniel, Admire.
Hazel Evangeline McDermond, Winchester.
*Mary Louise McDivitt, Alta Vista.
*Bernice Helen McDonnell, LaCygne.
Gertrude Ladella McDonald, *Tulsa, Okla.*
*Wilma Hope McEntarfer, Eureka.
*Winona Ruth McGuffey, Abilene.
*Alida McKay, Thayer.
Helen Sarah McKinlay, Udall.
*Fleta E. McKinney, Council Grove.
Annie Agnes McLavy, Morganville.
*Edith Abigel McMullon, Melvern.
*Minnie Elimone McMullen, Quenemo.
Josephine Lucile McNicholas, Sun City.
Mabel Vernie McRevey, Plevna.
*Mabel Irene Machmer, Chapman.
Hazel Maddox, Kansas City.
Phillip Powell Maddux, Kansas City.
*Kittie Lee Moffet, Kingman.
*Norma Moffet, Kingman.
Lois Juanita Maholm, Dunlap.
Bessie M. Mahoney, Scranton.
*Ada Corinne Maiden, Stafford.
Betty Ella Maill, Elmo.
*Mary Mairs, Kinsley.
*Tillie Mary Malicky, Oketo.
*Mildred Margaret Maloney, Tonganoxie.
Sylvis Lola Manley, Kansas City.
La Veda Varena Manon, Gypsum.
Ethel Manos, Wichita.
*Carrie Manila Marihugh, Lebanon.
*Bertha Aretta Markely, Humboldt.
*Katherine Alice Marks, Ogden.
*Mabel Marlowe, Hartford.
*Beulah Pera Marsh, Belleville.
*Cora Ethel Marsh, Bushong.
*Lucy Elizabeth Marshall, Minneola.
*Fleda Marie Martin, Neosho Falls.
*Margaret Martin, Adams.
Ruth Lucille Martin, Herington.
Marguerite Sara Mason, Olivet.
*Estella Pearl Matthew, Claflin.
*Elva Elizabeth Matthews, Eureka.
*Irma Ernestine Matthews, Chanute.
*Hildegarde Esther Mattson, Irman.
Roy Chas. Maul, Emporia.
*Catherine Caroline Mauser, Geneseo.
Emaleigh Maxwell, Galva.
Lucile Christina Maxwell, Americus.
Sara Leslie Maxwell, Topeka.
James Willard Mayberry, Emporia.
*Anna Margaret Mayer, Easton.
*Anna Isabelle Meagher, Lillis.
*Mabel May Mehl, Beloit.
*Mary Margaret Mendenhall, LaCygne.
*Cecile Marie Mentzer, Yates Center.
*Hazel Adell Mentzer, Yates Center.
Leonard McKinney Merrifield, Kincaid.
*Louise May Merrill, Le Roy.
*Esther Corine Meyer, Lyons.
*Emma Kathryn Meyers, Alta Vista.
*Hilda Louise Meyers, Alta Vista.
*Ada Gertrude Miller, Canton.
*Anna Elizabeth Miller, Hamilton.
*Blanche Faye Miller, Lebo.
Ethel Mary Miller, Burrton.
*Eva Maye Miller, Le Roy.
*Frances Lillie Miller, Severy.
*Hazel Eleanore Miller, Galva.
*Hazel Geraldine Miller, Lincoln.
*Jennie Pearl Miller.
*Jessie Mae Miller, St. John.
*Myrtle Eileen Miller, Lucas.
*Olive Muriel Miller, Sedgwick.
*Alice Amelia Mills, Hazelton.
*Ida D. Mills, Tyro.
*May Ann Mills, Hazelton.
*Eva Florence Milner, Republic.
*Joel Lester Minner, Oswego.

COLLEGE FRESHMEN—*continued.*

*Leota Mitchell, Moran.
Lila Lena Mitchell, Anthony.
*Velma Zaline Mitchell, Kincaid.
Willa Olivia Mitchell, Lawrence.
*Esther Mollohan, Cedar Point.
*Jessie Mildred Monfort, Ottawa.
*Frances Ceola Monninger, Montezuma.
*Gladys Delphine Monroe, Stafford.
Ruth Josephine Montague, Irving.
*Berneta May Moody, Mankato.
*Zetta May Moon, Greenleaf.
*Frances Aleatha Moore, Louisburg.
*Hazel Grace Moore, Lawrence.
*Lefturch Josephine Moore, Blue Mound.
*Lodena Moore, Cherryvale.
*Opal Gladys Moore, Bronson.
Howard Thomas Morgan, Emporia.
*Leslie Mary Morgan, Emporia.
Eugenia Morrison, Canton.
Mary Christine Mort, Emporia.
*Flossie Hazel Morton, St. John.
Matilda Caroline Moser, Stilwell.
*Irene Elizabeth Mosley, Dillon.
Lois Kathryn Mosely, Le Roy.
*Ruth Alice Mosley, Le Roy.
Ornetta Ruth Moten, Topeka.
Olive Leila Mott, Columbus.
*Mabel Aileen Monkes, Neosho Rapids.
*Ruth Ellen Mudge, Gridley.
Helen Gould Muir, Hartford.
*Edith E. Mullet, Arkansas City.
*Dollie Belle Mullikin, Montezuma.
*Fay Genevieve Mullikin, Montezuma.
*Bernice Mummey, Hamilton.
*Mildred Murphy, Lincoln.
*Mildred Lula Murphy, Pretty Prairie.
*Theresa M. Murray, Salina.
*Alice Musil, Irving.
*Gladys Myers. Burns.
Mae Marie Myers, Topeka.
*Roberta May Myers, Denison.
Rosetta Myers, Cherokee.
*Ludia Lowe Nance, *Okmulgee, Okla.*
*Lorena E. Neff, Perth.
*Mabel Carolein Neff, Howard.
Olive Pauline Neff, Emporia.
*Verda Myrtle Neighbors, Neosho Falls.
*Gladys Christine Neilson, White Water.
*Atrice Ethel Nelson, Lenora.
*Esther Leora Nelson, Herington.
Alvena Amelia Neitert, *Newkirk, Okla.*
Wm. Stephen Nelson, Americus.
*Edna Katherine Ness, Havana.
*Rose Neuenschwander, Madison.
*Bertha Thelma Newcomer, Emporia.
*Benj. Franklin Nibert, Reece.
*Edna Wilma Nickoley, Dwight.
*Ada H. Nichols, Lucas.
*Mary Elizabeth Nichols, Emporia.
Viola Virgil Nichols, Bronson.
*Rosa Mae Nielson, Allen.
*Julia Nielsen, Allen.
*Alma Beatrice Nieman, Beloit.
*Bessie Frances Noeker, Wellsville.
*Geraldine La Von Noffsinger, Fall River.
Pearl Nofsinger, Oxford.
*Edna Florence North, Bazaar.
*Eva Eola North, Burns.
*Lucile Marguerite Northrup, Greensburg.
*Nellie Elizabeth Norton, Cawker City.
*Eunice Verna Notty, Dillon.
*Emma Hulda Notz, Burns.
Daniel Clair Nufer, Florence.
*Crystal Loree Nusbaum, Bern.
*Irene Evangeline Oakley, Topeka.
*Inez Anna O'Brien, Tescott.
*Isa Louise O'Brien, Tescott.
Catherine O'Connor, Emporia.
Dorothy Payne O'Dell, Topeka.
*Gladys Marion Oliphant, Offerle.
Annie Lauretta Oliver, Leavenworth.
*Lilian Katherine Oliver, Maplehill.
*Effa Altina Olson, Spearville.
*Elizabeth Etta Olson, Spearville.
*Frances Anna O'Neal, Belleville.
*Hattie May Oplinger, Jewell.
*Bertha Evangeline Orr, Fall River.
*Verna Julia Orr, Fall River.
*Marion Gladys Ott, Winfield.
Mildred Dutcher Overton, Newton.
*Oscar Owen, Elk City.
*Phyllis Owen, Jamestown.
*Eloise Owsley, Longford.
Lola Mae Packer, Hollenberg.
*Lucy Elizabeth Page, Neodesha.
*Edna Margaret Paine, Burden.
*Elizabeth Viola Palmatier, Abbyville.
Irene Moyer Parker, Emporia.
*Laura Parker, Arkansas City.
*Mary Elzadah Parker, Arkansas City.
*Mary Ellen Parker, Chanute.
*Vonnee Parker, Peabody.
*Mildred Josephine Parks, Benton.
*Ruth Vivian Parks, *Oklahoma, Okla.*
*Wanda Gladys Paro, Clay Center.
*Charlotte Mary Parsons, Neodesha.
*Faye Balinda Parsons, Neodesha.
*Hazel Maude Parsons, Montrose.
*Ruth Golda Paslay, Burrton.
*Ruth Gladys Pate, Wauneta.
*Genevieve Patterson, Barnes.
*L. Marguerite Patterson, Whiting.
*H. Mary Paulsen, Hartford.
*Helen M. Paup, Wichita.
*Cynthia Ethel Payne, Howard.
Myrtle Sara Payne, Pomona.
Joseph Makeson Peach.
*Daisy Norma Peak, Paola.
*Ida Helmina Pederson, Robinson.
Lillian Pelzel, Harper.
*Harriet Hazel Penner, Potwin.
*Fern Del Perkins, Ottawa.
*Opal Alice Perkins, Howard.
*Neva Marie Perreault, Clay Center.
*Oneita Lydia Perreault, Morganville.
*Anna Mabel Persons, Bushong.
Murrel Lorena Peter, Olathe.
Margaret Alice Peters, Emporia.
Nellie Elizabeth Peterson, Garfield.
*Nellie Petford, Emporia.
*Ruth Elizabeth Pew, Sylvia.
Esther Estelle Pfleger, Eudora.
*Helena Elizabeth Pfleger, Eudora.
*Gladys Helen Phillips, Admire.
Lettei Phillips, Burlingame.
*Onea Frances Phillips, Burlingame.
*Helen Phillips, Buffalo.
*Lucille Alice Pickler, Cherryvale.
*Bertha Geneva Pinon, Florence.
*Anice Marie Piper, Lawrence.
*Mona Elizabeth Piper, Emporia.
*Mabel Vera Plowman, Jewell.
*Esther Alberta Plumb, Natoma.
*Rosella Anderson Pollar, Sedgwick.
Margaret Pontious, Winfield.
*Gladys Hannah Porter, Auburn.
*Hazel Marie Porter, Havensville.
*Mabel Lorraine Powell, Norcatur.
*Wilma May Powell, Burlingame.
*Nina Mae Powers, Quenemo.
*Edna Rachel Prather, Reece.
*Jessie Opal Prather, Reece.
*Myrtle Alice Preston, Howard.
*Marguerite Vern Price, Reading.
*Mary Alice Protzman, Paola.
*Wiley Pruett, Holton.
*Zerelda Belle Pryor, Ingalls.
*Celia Purdy, Medicine Lodge.

COLLEGE FRESHMEN—*continued.*

Cora Elizabeth Purdy, Abilene.
*Annie Forest Purvis, Carbondale.
*Edward A. Rages, Abbyville.
*Nellie Vaughn Raglain, *Kansas City, Mo.*
*Alpha Faye Rahn, Florence.
*Izma Ruth Ransom, Derby.
*Clarice Alberta Ramsey, Wilsey.
*Elva Mary Ramsey, El Dorado.
Edward I. Randolph, Emporia.
*Ethel Edna Rankin, Lincoln.
*Hannah Electa Ransdell, Auburn.
*Sue Elizabeth Rawlings, Winfield.
*Galena Rayson, Hamilton.
*Hazel Idelta Read, Homewood.
*Wilma Mary Read, Overbrook.
Artie Adelia Reaves, Hutchinson.
Anna Belle Reddins, Independence.
*Bertha Mildred Reed, Lyons.
*Ethel M. Reed, Sabetha.
*Eulala Florence Reed, Burlington.
Hazel Telford Reed, Lenox.
*Ruth Elizabeth Reed, Lyons.
*Carrie Elijah Reef, Smithton.
*Bertha Lyle Reid, Carbondale.
*Doris Kathryn Reid, Newton.
John Henning Reider, Emporia.
*Helen Mae Reitman, Topeka.
Esther Jane Reitz, Olathe.
Florence Lucile Reitz, Cherokee.
*Bessie Maude Remick, Downs.
*Tillie Alvenia Rezac, Rossville.
*Nelle Marice Rhea, Utica.
*Helen Lucile Rhoades, Harper.
*Nellie Grace Rice, Delphos.
*Estella Agnes Richards, Severy.
*Evelyn C. Richards, White City.
*Margery Richards, Reading.
Lillian Richardson, Emporia.
Robert Bruce Ricker, Emporia.
*Ida Lillian Ricketson, Leavenworth.
*Roy Wilford Riegle, St. John.
*Florence Opal Riggs, Soldier.
*Mae Edith Riggs, Cheney.
*Edith Eugene Riley, Reece.
*Fredericka Douglass Riley, Kansas City.
*Mary Luella Riley, Wamego.
*Nellie Elnora Ringgenberg, Safford.
Ruby Thelma Risinger, Fredonia.
*Mary Catharine Roach, Wichita.
Hazel Marie Roads, Kansas City.
Mabel Frances Roark, Lake City.
*Gladys Marie Roberts, Paola.
*Louisa Catherine Roberts, Stafford.
*Marie Estella Roberts, Iola.
*Anna Marguerite Robinson, Florence.
*Estella Ann Robinson, Nortonville.
Eril Hughes Robinson, Emporia.
*Mary Robinson, Florence.
*Gladys India Roderick, Attica.
*Sophia Rodewald, Vassar.
*Metha Mae Rohwer, Lincoln.
*Vern Catherine Roper, Geneseo.
*Ruth Rorick, Cherryvale.
*Marguerite Albertine Roseberry, Osawatomie.
*Virginia Rosenquist, Neosho Rapids.
*Alice Jean Ross, Baker.
*Edith May Ross, St. John.
*Ida Jane Ross, Atchison.
*Ruby Elizabeth Ross, Freeport.
*Blanche Irene Rothrock, Sylvia.
*Lilian Mae Rouse, Council Grove.
*Olive Fern Roush, Jewell.
Maurine Harriet Rowe, Le Roy.
*Mae Leila Rumery, Columbus.
*Grace Lorence Runnels, Le Roy.
*Harriett Runyon, Peabody.
*Edith Pauline Rush, Great Bend.
*Ruth Rush, Marion.
*Faye Ellen Russel, Altoona.
*Lanora Sylvia Russell, Lyons.
*Willa Grace Russel, Bronson.
*Mabel Sadler, Oneida.
*Myrtle Edna Salter, *Gymon, Okla.*
*Ada Fredricka Samuel, Halstead.
*Olive Saunders, Beloit.
*Ona Pearl Saurressig, Lebo.
*Anna Augusta Saville, Blue Rapids.
Marguerite Elizabeth Sawyer, Emporia.
Alma Sevana Sayers, Rosedale.
*Lora Eva Saylor, Talmadge.
*Mary Gladys Scanthin, Pratt.
Helen Schafer, Vermillion.
Wilma Irene Schafer, Vermillion.
*Lola Gertrude Schiesser, Maplehill.
Freda Schlender, Moundridge.
Nettie Bernice Schmidt, Canton.
Hilda Schmitz, Alma.
*Florence Esther Shock, Morrill.
*Hazel Marguerite Schoul, Minneola.
*Augusta Ruth Schultz, Humboldt.
*Anna Meta Schraeder, Frederick.
Justin Schroeder, Emporia.
*Lenora Schroyer, Lecompton.
*Margaret Schwilling, Bazaar.
*Mary Jane Scofield, Scranton.
*Emma Kathryn Scott, Kirwin.
*Harriet Newell Scott, Kirwin.
*Myrtle Seacat, Bucklin.
*Georgia Seaman, Udall.
*Zola Searls, Herington.
*Chester Secrist, Meriden.
*Lois Ann Secrist, Wellsville.
*Marie Lucile Sedgwig, Irving.
*May Elsie Seely, Silver Lake.
*Johannok Seiler, Halstead.
*Ida Mae Siep, Summerfield.
*Alberta Grace Settle, Reading.
*Bernice Settles, Ottawa.
*Harriet Seymour, Rantoul.
*Marie Ruth Schakleford, Wellsville.
*Wayme Metta Shaffer, Lincoln.
Winnie Maude Shank, Emporia.
*Josephine Emma Shara, Narka.
*Bessie Gladys Sharper, Macksville.
*Mary Josephine Shaw, La Cygne.
*Ruth Gladys Sheaks, Garden City.
*Helen Marie Shearer, Iola.
*Kathryn Mary Sheehamer, Fowler.
*Grace Gertrude Sheets, Navarre.
*Esther Clara Shellenberger, Allen.
*LeRoy Shepard, Independence.
*Elmer Robert Shirley, Lecompton.
*Kathryn Shirkey, Madison.
*Esther Shockey, Derby.
*Josephine Shoemaker, Severy.
*Ruby Mayme Shultz, Alta Vista.
*Della Silkett, Downs.
*Edna May Simmons, Emporia.
*Laverna Frances Simmons, Dexter.
*Hattie Eliza Simons, Burden.
*Edna Margaret Simpson, Severy.
*Grace Simpson, Welda.
*Ethel Elizabeth Sims, Clifton.
Alice Elizabeth Sinclair, Canton.
*Mabel Caroline Skoag, Scranton.
*Helen Delora Slagth, White City.
Helen Slater, Severy.
*Faye Emma Schleef, Wichita.
*Gertrude Maybelle Sloan, Zenda.
*Ralph Sloan, Zenda.
*Ruth Sloan, Zenda.
*Marie Luella Slocum, Dodge City.
*Edith Dorena Small, Florence.
*Emma Roberta Smart, Iola.
*Alma Gladys Smith, Iola.
*Audrey Nadine Smith, Florence.
*Azile Maye Smith, Miltonvale.
*Bessie Olive Smith, Pretty Prairie.
*Edna Christine Smith, Leloup.

COLLEGE FRESHMEN—*continued.*

*Ethel Mae Smith, Lawrence.
Eugenia Charlotte Smith, Atchison.
*Freda Dale Smith, Hamilton.
Helen Dailene Smith, Emporia.
*Inez Smith, Barclay.
*Irene Louise Smith, Topeka.
*Jennie Ione Smith, Fellsburg.
*Lessie Smith, Cimarron.
Marjorie Smith, Emporia.
Myrtle Smith, Florence.
Nicholas Nathaniel Smith, *Kan. City, Mo.*
*Norma Kathryn Smith, Minneola.
Velma Esther Smith, Emporia.
*Zella Mae Smith, Hamilton.
*Bessie Marie Smythe, Salina.
*Blanche Lucile Snell, Emporia.
Bernice Snodgrass, Effingham.
*Viola Fannie Snodgrass, Wamego.
*Grace Marie Snow, Jewell.
*Vivian Naomi Snow, Emporia.
*Evelyn Snyder, Bucyrus.
*Pearl Constance Snyder, Abilene.
*Almina Mae Sparks, Alton.
Leone Adell Spears, Louisville.
*Mrs. Mary Jane Spears, Baldwin City.
*Josephine Specht, Clay Center.
Mildred Lucile Spence, Emporia.
*Elizabeth Marie Sperling, Emporia.
Guy Richard Spiker, Emporia.
*Anna Elizabeth Sprecher, Carlton.
Robert Sprout, Belle Plaine.
*Gladys Ellen Stafford, Republic.
Hazel Frances Stanley, Anthony.
*Bernice Luella Starbird, Auburn.
*Ora Marie Starkweather, Topeka.
*Edith Opal Starnes, Lafontaine.
*Edna Avis Starnes, Fredonia.
*Hazel Starrit, Toronto.
*Kathryn Leona Staley, Neosho Rapids.
*John Stauffer, Delphos.
*Pauline Olive Statton, Minneola.
*Myrtle Stay, Clifton.
Rose Josephine Steck, Paxico.
*Winnie Belle Steele, Toronto.
*Ida Josephine Steiner, Burlington.
Jessie Ann Stevens, Emporia.
Mabel Hope Stephens, Salina.
*Ethel Martha Strong, Moran.
*Edith Velma Strong, Overbrook.
Clara Magdelene Strutzel, Olpe.
Frances Velma Striegel, Fredonia.
Corine Eloise Stredder, Geneseo.
*Charles Eddie Strange, Blue Rapids.
*Ruth Erma Stout, Medicine Lodge.
Martha Delphine Stout, Emporia.
Dale Caldwell Stout, Emporia.
*Audrey Elreen Stout, Cottonwood Falls.
Mabel Marie Stones, Haviland.
*Alva Marie Stoneberry, Jewell.
*Laura Belle Stolte, *Mount Grove, Mo.*
Paul Stewart Stoller, *Orlando, Cal.*
Eunice Julia Stinson, Jamestown.
*Susie Marion Stilwell, Ottawa.
*Sue Stiles, Moline.
*Mrs. Sarah Stewart, Council Grove.
*Elizabeth Stewart, Emporia.
*Elizabeth Stewart, Admire.
Anna Marie Stevenson, Burlington.
May Mary Strong, Moran.
Lola Mable Stroud, Uniontown.
*Maude Loretta Stroud, Uniontown.
*Rose Mary Stucky, Pretty Prairie.
*Edna Marie Sturgeon, Topeka.
*Fern Zoda Suits, Fredonia.
*Grace Edna Suits, Fredonia.
*Allie Summerville, Marion.
*Edna Mabel Summerville, Marion.
*Annah Grace Sutherland, Ottawa.
*Jessie Elizabeth Swan, Alma.
*Alice Jane Swank, Ottawa.
*Elva Swart, Cherryvale.
*Agnes Swartley, Garden City.
Milan Burdette Swartz, Hiawatha.
*Tressie Edna Swink, Uniontown.
*Teloy Irma Talbot, Haven.
*Golda Pearl Tague, Hutchinson.
*Iva May Tanner, Formoso.
*Mary Elizabeth Taylor, Howard.
*Elsie Marie Teave, Nortonville.
*Ruth Abigail Tharp, Monmouth.
Addie Ethel Thomas, Detroit.
*Grace Mae Thomas, Caney.
*Jennie Merida Thomas, Barclay.
Marjorie Thomas, Emporia.
*Margaret Laberta Thomas, Barclay.
*Velma Opal Thomas, McLouth.
*Gladys Mary Thompson, Elmdale.
Helen Agnes Thompson, Lost Springs.
*Laura Isabel Thompson, Osage City.
*Lillian Maye Thompson, Blakeman.
*Margaret Thompson, Thayer.
*Mercil Ruth Thompson, Marion.
*Nellie Edith Thompson, Iola.
*Nellie Katherine Thompson, Topeka.
*Hazel Mae Thorp, Peabody.
*Myrtle Margaret Thornton, Iola.
*Hazel Irene Thrasher, Emporia.
*Beatrice Jane Thyer, Blue Mound.
*Nellie Mae Tibbets, Blaine.
*Mildred Helen Tihen, Andale.
Adalene Patti Tilley, Emporia.
*Minta Mae Tinsley, Willis.
*Myrtle Adine Titsworth, Lincoln.
Muriel Josephine Titus, Osage City.
*Melody Leona Tomlin, Paola.
*Gladys Lola Taylor, Winfield.
*Cecil Wayne Trapp, Alma.
William Henry Traver, Peabody.
Helen Travis, Topeka.
Dorothy Triplett, Emporia.
*Mae Florence Trock, Parkerville.
*Jessie A. Trowbridge, Clay Center.
Alva Glenn Truaz, Independence.
Omar Roy Truax, Independence.
*Julia Ethel Tucker, Michigan Valley.
*Viola Tucker, Lawrence.
*Nan Marie Tudor, Abilene.
*Blanche Tunney, Emporia.
*Ethel Alice Tunney, Emporia.
*Myrtle Iva Tutcher, Overbrook.
*Nora Lucretia Uhls, White City.
*Inez Irene Underhill, Beloit.
*Eva Jennie Valentine, Princeton.
Darthula Vandiver, Kansas City.
*Thelma Oletha Van Fleet, Jewell.
*Frank Benton Van Leuven, Milton.
*Lillian Latham Van Leuven, Milton.
*Vera Vern Van Lieu, St. John.
*Alma E. Van Middlesworth, Augusta.
*Pauline Mary Van Middlesworth, Augusta.
Ida Lucile Van Voris, Emporia.
*Earl Zealous Van Winkle, McCracken.
Guy Basil Van Winkle, McCracken.
Edith Kathryn Vaughn, Arkansas City.
*Ermin Elizabeth Vawter, Blue Rapids.
Fern Vawter, Cherryvale.
Inez Stead Vernon, Emporia.
*Helen Perine Vickery, Sabetha.
*Edna Myrtle Vincent, Winfield.
*Esther Sophronia Vincent, Nortonville.
*Ella Viola Volle, Summerfield.
*Selma Louise Voran, Pretty Prairie.
*Flora Margaret Wagner, Yates Center.
Schylar Albertus Wagner, Iola.
*Ethel May Wahl, Independence.
*John Harley Waldron, Bucyrus.
Nell Blye Waldron, Wichita.

COLLEGE FRESHMEN—*concluded.*

*Dott M. Walker, Moundridge.
*Ethel May Walker, Downs.
*Maud Walker, Newton.
*Cainie Frances Wallace, Norwich.
*Fern Wallace, Winfield.
*John Wm. Wallace, Gardner.
Lucille Wallace, Troy.
*Zazelle Wallace, Kincaid.
*Ada May Walls, Paxico.
*Lillian Beatrice Waln, Canton.
*Anna Elizabeth Waetzig, Carbondale.
*Eunice Marguerite Ward, Topeka.
*Kenneth Harold Ward, Severy.
*Nelle Luciene Ward, Severy.
*Florence Edna Warren, Lyons.
*Laura Emma Warren, Eskridge.
Mary Emily Warren, Emporia.
*Mabel Marie Waterman, Florence.
*Barbara Allen Watkins, *Silton, N. Mex.*
*Celia Edith Watkins, Grenola.
*Myron John Watkins, Emporia.
*Nina Esther Watkins, Bonner Springs.
*Wilbur Ellis Watkins, Grenola.
*Mable Marbel Watkinson, Lebo.
*Alena Maude Watson, Vining.
*Katie Belle Watson, Vining.
*Ivy Fae Watters, Axtell.
Jessie Otto Watts, Burlington.
Myrtle Watts, Burlington.
*Mabel Irene Wayanne, Marion.
*Hazelle Marie Wear, Halstead.
*Floyd Weaver, Norwich.
*Cecil Marie Webb, Lincoln.
Gladys Joy Webb, Abilene.
*Elma Anna Weber, Arnold.
*Mabel Cora Webster, Derby.
*George Henry Wedelin, Severy.
Ralph Wm. Wedin, Osage City.
*Blanche Irene Weeks, Bushong.
*Blanche Iva Weeks, Blue Rapids.
*Frances Marie Wehe, St. Anthony.
Dorcas Mary Weir, Newton.
*Iva Myrtle Weldon, Garden City.
Arthur Leroy Wells, Kansas City.
*Ola Maude Wells, Dunlap.
*Gladys E. Welton, Rantoul.
*Juanita Lavee Welton, Rantoul.
*Nettie Fae Wendele, Marysville.
*Rose Amelia Wenzel, Herndon.
*Hazel Chalmer West, Blue Mound.
*Inez Edna Westerhouse, Eudora.
*Mildred Elizabeth Westling, Clay Center.
*Ethel Viola Whearty, Westmoreland.
*Lena Aphelya Wheeler, Greensburg.
*Marvel Deloria Whetstone, Cunningham.
Mary Elizabeth Whitcraft, Osage City.
Vivian Whitaker, *McAlester, Okla.*
*Hazel C. White, Buffalo.
Lucile Julia White, Atchison.
*Pearl Evangeline White, Burlingame.
*Alice Lovernia Whiteside, Independence.
Fay Enid Whitford, Stockton.
*Birdie Opal Whitman, Pleasanton.
Cecilia Eleanor Wieland, Elk City.
*Dorothy Edna Wilcoxson, Fowler.
*Hazle Elizabeth Wilcoxson, Meriden.
*Jessie Jane Wiley, Hunnewell.
*Florence Anne Wilkerson, Lewis.
*Glenola Helen Wilkins, Medicine Lodge.
*Clara Fern Wilkinson, Welda.
*Ethel Addie Willaby, Toronto.
*Mabel Lucille Willey, Marion.
*Anna Williams, Richmond.
Delpha Paulette Williams, Courtland.
*Edith A. Williams, *Kansas City, Mo.*
*Esther Williams, Broughton.
*Hazel Beatrice Williams, Smith Center.
*Nellie Maude Williams, Pretty Prairie.
Ruth Eleanor Williams, Olivet.
*Sarah Hilma Williams, Preston.
*Thelma Pearl Williams, Wichita.
*Vera Marguerite Williams, Liberty.
Myrtle Deborah Wilmore, Emporia.
*Bertha Lucetta Wilson, Winfield.
*Dora C. Wilson, Lawrence.
*Elsie May Wilson, Topeka.
Hazel Pauline Wilson, Downs.
*Herbert Frederick Wilson, Kansas City.
*Ruby Lee Wilson, Hutchinson.
*Ruth Amanda Wilson, Bronson.
Ruth Berta Wilson, Neodesha.
Ruth Jeanette Wilson, Topeka.
Nell Wing, *Joplin, Mo.*
*Gladys Ices Winn, Burlington.
*Marie Gladys Wimmer, Protection.
*Ervie Wingert, Paola.
*Grace Edith Winkley, Marion.
*Vera May Winkler, Hamlin.
*Mary Alice Winterbottom, Mildred.
*Evelyn Winters, Valley Center.
*Mae Winters, Valley Center.
*Pearl Amanda Winterscherd, Gridley.
*Vera Gladys Wittiver, Circleville.
*Dale Laura Wise, Louisburg.
*Elizabeth Rebecca Wolf, Axtell.
Emma Jane Wolf, Bentley.
*Ollie Alice Wolf, Chanute.
*Rose Marie Wolverton, Barnes.
*Florence Mildred Wonnell. Blaine.
Helen Wood, Anthony.
Frances W. Woodson, Moundridge.
Eva Alice Woolsey, Emporia.
*Theresa Helen Woodlow, *Muskogee, Okla.*
*Hazel Genevia Woods, Hamilton.
*Edna Hattie Wright, *Okla. City, Okla.*
Agnes Elizabeth Wright, *Akron, Colo.*
Evelyn Estal Wright, Neosho Falls.
*Maye Wright, Miltonvale.
*Florence Alta Wyatt, Newton.
*Eula Alice Wyre, Eskridge.
*Ethel Mae Yapp, Jewell.
*Mabel Faye Yapp, Jewell.
Ruby Eleanor Yawger, McCracken.
*Eva Luella Young, Howard.
*Francelia Ellen Young, Eskridge.
Lloyd Percy Young, Moran.
*Murrel Leta Young, Eskridge.
*Helen Minnie Zimmerman, Seneca.
*Beulah Zollars, Emporia.
*Beulah Caroline Zwanziger, Alma.

HIGH SCHOOL SENIORS.

Marshall Berry Adams, Langdon.
Mildred Gwendolyn Adams, Meriden.
Nettie Marie Anderson, Emporia.
Glenn Antle, Emporia.
*Anna Archer, Emporia.
George Wilson Arnold, Emporia.
Pearl Gladys Babcock, Emporia.
*Ida Sarah Becker, Emporia.
Willis Ralph Betty, Emporia.
Bernice Viola Billings, Emporia.
Galena Helen Balke, Moscow.
Anna Josephine Bondfield, Elmo.
*Luther Nathaniel Bouska.
Thomas Boyles, Havensville.
Ina Florence Browne, McLouth.
*Mrs. Lucile Calkins, Falun.
Charles Collins, Dunlap.
*Clara Marie Cooper, Uneeda.
*Clara Elizabeth Cox, Emporia.
Virginia Cox, Emporia.
Cyril John Dauner, Emporia.
Florence Davis, Clearwater.

HIGH SCHOOL SENIORS—*concluded.*

Maude Davis, Clearwater.
Edith Clair Day, Emporia.
*Harriet Evelyn DeNio, Niles.
*Willetta Dickenson, Altamont.
Franklin Lewis Dillon, Emporia.
Orval Duer, Zenith.
Anna Ebeling, Severance.
*Marie Louise Focht, Emporia.
*Ethel Belle Fouts, Howard.
*Lena Anna Frey, Vassar.
Carl Howard Garth, Emporia.
*Iola Darr Gibson, Burden.
*Mayme King Giles, Topeka.
Wayne Henery Giles, Emporia.
Alice Godsey, Emporia.
Stanley Martin Gregory, *Carrier, Okla.*
Edith Pearl Gunkle, Emporia.
*Hilda Gustafson, Bloom.
*Helen Lenora Halbert, Parkerville.
*Emily Hanson, Emporia.
*Bessie Arline Harris, Ottawa.
Willard Lloyd Hawkins, Emporia.
Elizabeth Florence Hoey, Emporia.
Albert Maynard Holm, Newton.
*Ruth Loretta Huenergart, Durham.
*John Mark Irwin, Geneva.
*Edith Aldwilda Johnson, Wilsey.
*Amy Clyde Kellum, Lyons.
*Nellie Elizabeth Kelly, Neosho Rapids.
Mary Lurene Kipp, Yates Center.
Christian Abernio Kirkpatrick.
*Lilah Kroth, Soldier.
*Roberta Lake, Eskridge.
*Elva May Lannon, Soldier.
*Victoria Lindholm, Falun.
*Mrs. Georgia Juanita Linton, Emporia.
Lela Estella McCarter, Emporia.
Ruth Emma McClun, Welda.
*Della Mary McGregor, Cassoday.
*Mattie Lois Maiden, Stafford.
Harold Albert Manly, Diamond Springs.
*Kathryn Meyer, Harper.
*Mabel Agnes Monypeny, Hartford.
Olive Marie Moore, Emporia.
Alice Mary Morris, Emporia.
Caroline Annette Newman, Virgil.
George Anson Page, Hamilton.
Elsie Ruth Pegram, Emporia.
*Mary Dean Petty, Emporia.
*Ruth Shannon Reed, Cassoday.
Edna Richard, Emporia.
*Eva Richards, Centerville.
Glenna Fay Roan, Independence.
*Ethel Robinson, Emporia.
*Blanche Estelle Roger, Toronto.
Christine Mildred Roth, Emporia.
George Edgar Ruggles, Altoona.
*Blanche Russell, Sterling.
*Nellie Margaret Sebring, Rossville.
Leslie Reed Sellers, Neosho Rapids.
Ruth Hazel Small, Esbon.
Archie Lee Smith, Emporia.
*Mabel Irene Spencer, Topeka.
*Letha Stollar, Orland, Cal.
Lucy Marie Stone, Emporia.
Ruth Rosalind Strickland, Emporia.
*Lillian Josephine Tanner, Havensville.
*Winifred Irene Tanner, Havensville.
Ferne Shirley Taylor, Emporia.
*Laura Teichgraeber, Emporia.
*Earle Isaac Thomas, Emporia.
*Rena Alice Travis, Garrison.
*Margaret Rose Ullman, Severy.
Ernest Eldridge Valyer, Emporia.
Lois Maude Valyer, Emporia.
*Bessie Elsie Williams, Speed.
Orlesta Williams, Emporia.
Laura Pearl Wood, Garfield.
*Byron Clark Woodard, Emporia.
Violet Elaine Young, Eskridge.

HIGH SCHOOL JUNIORS.

*Edna Albin, Saffordville.
*Alta Mae Ausbin, Moscow.
*Wilma Ella Bacon, White City.
Anna Marion Barth, Emporia.
Emilie Bauer, Marion.
*Marion Benedict, Emporia.
Jessie Roberta Berry, Comeskey.
Veronica Bonfield, Elmo.
Francis Edwin Buck, Emporia.
Myrtle Ida Buck, Emporia.
Phebe Fern Butler, Madison.
William Cavanaugh, Perry.
Irene Cleeton, Neosho Rapids.
Elsie Vagolda Derr, Garnett.
*Eathea Dillon, Utica.
Charles Demmick, Emporia.
Joseph Diouhy, Holywood.
*Lula May Dobbins, Linn.
*Ruth Downey, *Tulsa, Okla.*
Blanche Winifred Eastman, Matfield Green.
Vincent Ecleston, Emporia.
*Edith Edmonds, Lecompton.
Marjorie Edwards, Emporia.
*Solomon McCommon Finney, Emporia.
Beryl Louise Fisher, Emporia.
*Lela Lavena Ford, Emporia.
*Goldie Ruth Francis, Emporia.
*Ellen French, Neosho Rapids.
*Edwin George Frohberg, Waterville.
Grace Margaret Godsey, Emporia.
*Hulda Ruth Gunkel, Emporia.
Edwin Fitzgerald Hammond, Emporia.
*Ola Mary Henderson, Richmond.
*India Laurel Holman, Reading.
*Pauline Holroyel, Cedar Vale.
*Ellen Irene Johnson, Assaria.
Bessie Frances Kauffman, Enterprise.
*Milo Kesner, Le Roy.
*Marie Elizabeth Kliver, Emporia.
*Ruth Lane, Independence.
Nellie Estella McConnell, Council Grove.
*Lula Adams, McGreggor.
*Ada Grace McMorris, Washington.
*Hattie Eleanor McMurray, Emporia.
*Anna Malicky, Oketo.
*Florence Alice Mitchell, Belleville.
*Ralph Merrill Nichols.
*Carrie Noble.
*Rose O'Brien, Esbon.
Hazel Grace Parks, Benton.
*Mae Katy Payne, Lebanon.
*Beulah Porter, Auburn.
*Leone Prouse, Emporia.
Myrtle Eleanor Raitinger, Emporia.
Anne Randolph, Emporia.
Viola Emma Reynolds, Hutchinson.
Emmett Hordes Rich, Centerville.
Nellie Robinson, Florence.
*Neva Marie Ross.
Frank Samuel Shank, Emporia.
John Henry Shirkey, Madison.
*Esther Louise Simmons, Emporia.
*Rebecca Smith, Emporia.
*Mildred Agnes Soll, Emporia.
*Helen Margaret Stell, Moscow.
Don Luther Stephens, Emporia.
*Esther Leona Stewart, Havana.
Joseph William Stout, Emporia.
Matilda Virginia Strutzel, Olpe.
Meryl Taylor.

HIGH SCHOOL JUNIORS—*concluded.*

Merle Shelley Taylor.
*Margaret Eleanor, Eureka.
Martha Walker.
*Helen Elizabeth Walthall, Emporia.
Dorothy Marvel Wessner, Emporia.
*Hildred May Zimmerman, Densmore.

HIGH SCHOOL SOPHOMORES.

Wallis William Adam, Emporia.
Iris Arnold, Emporia.
Pearl Portia Alexander, Emporia.
Ethyl Leona Benthim, Emporia.
Pauline Elizabeth Balck; Emporia.
Daisy Deane Bramwell; Emporia.
*Etta Frances Brem, St. John.
*Mollie Marie Burns, Topeka.
Calvin Burton, Parkerville.
Thomas Beck Butcher, Emporia.
*Edward Calkins, Salina.
*Lena May Calkins, Olivet.
*Mina Hazel Callway, Lebanon.
*Bethel Chalk, Wathena.
*Alice Ruth Childers, Emporia.
*Merna Coffman, Lost Springs.
Charles Edward Coleman, Emporia.
*Rose Crawford, Emporia.
*Lillian Ruth Creighton, Emporia.
Hazel Irene Cumley, Rago.
*Myrtle Dakin, Drexel.
*Eva Marie Diggs; Emporia.
*Robert William Douglass, Emporia.
*Inez Lona Hall, Neodesha.
*Georgia Bell Harmer, Drexel.
Winifred Harvey, Saffordville.
*William Everett Haynes, Emporia.
*Bertha Hiatt, Esbon.
Ruth Hazel Higgins, Emporia.
Lawrence Charles Hill, Emporia.
*Wesley Holland, Emporia.
*Geraldine Charlotte Hoopes, Havana.
Roy Frebur Horton, Emporia.
Virgil Lyle Hunt, Galva.
Henry Jenicos, Holywood.
Mable Catherine Jenkins, Osage City.
Gail Keineth, Emporia.
*Mildred Adell Keinath, Emporia.
*Marjorie Mary Keyes, Emporia.
Marguerite Mary LaLoge, Emporia.
*Katie Lansdowne, Wichita.
*Dewitt Thomas Law, Emporia.
John Wesley Lewis, Emporia.
Dorothy Jean Lindsay, Emporia.
*Younne Margaret Lockwood, Kincaid.
*James Linwood Loveless, Emporia.
Herbert Orran Lull, Emporia.
Bertha Lumley, Emporia.
John Russell Manley, Diamond Springs.
*Veturia Maude Miller, Overland Park.
*Mildred Moon, Burr Oak.
*Grade VanDyke More, *Lincoln, Ill.*
Tracy Morgan, Emporia.
Louise Ora Murphy, Madison.
Pearl Abigail Murphy, Atchison.
*Bertha Curtis Nordeen, Dwight.
*Lettie Leona Ogden, Herington.
Homer Clark Perry, *Oklahoma, Okla*
*Sybil Polson, Benedict.
*Louise Randel, Emporia.
*Constance Irene Reeves, Emporia.
*Dorothy Lawrence Robertson.
*Mildred Irene Shaffer, Topeka.
Chester Clyde Shank, Emporia.
Louis Richard Shirkey, Emporia.
Victor Warren Short, Emporia.
*Joyce Smith, Emporia.
Alberta Mary Southard, Comiskey.
Hazel LaVera Southard, Comiskey.
*George Newman Sprague, Emporia.
Homer Alphonso Stephens, Emporia.
Gladys Lucile Stevenson, Plymouth.
*Mary Stewart, Madison.
*Ina Willa Stollar, *Orland, Cal.*
*Ferne Opal Stotts, Emporia.
*Lora Teeter, Haddam.
*Lucille Torgeson, Kelso.
*Maybell Tuck, Elk City.
*Arsdall Pearl, Lorraine.
*Vaughn, Beulah Ellen, Emporia.
Mary Katherine White, Emporia.
*Eona Adalaide Wilson, Stafford.
*Mary Lydia Wilson, Bushong.
Elsie May Wolford, Emporia.
John Fred Yunger, Holyrood.

HIGH SCHOOL FRESHMEN.

Edna Theodora Anderson, Emporia.
Barrett Hodges, Emporia.
Tracy Brown, Emporia.
*Edith Evelyn Cheatham, Bucklin.
*Lestia Cooper, Fredonia.
Erwin Davis, Emporia.
Fred Peter Eskhoff, Meade.
John Scott Elting, Utica.
Mary Electa Elting, Utica.
*Velma Gamble, Meade.
*Jewell Hertzler, Morrill.
*Ellen Virginia Kelsey, White City.
*Arthur Elliot Kirby, Emporia.
Bertha Marie Klatt.
Janet May Lambert, Emporia.
*Alesta Ann Laughlin, Louisville.
*Florence McNutt, Emporia.
*Mildred Myrtle Maish, Emporia.
*Mary Jane Metcalfe, Council Grove.
*Helen Marie Michener, Wichita.
Floyd C. Moore, Emporia.
*Dorothy Marie Morris, Emporia.
*Barbara Margaret Nusser, Pleona.
*Myrtle Irene Powell.
Jacob Jackson Ratzlaff, Buhler.
*Julia Ellen Satchell, Council Grove.
*Celia Severns, Marysville.
*Ada Grace Smith, Mound City.
*Elizabeth Jane Smith, Emporia.
*Myrtle Lucill Smith, New Cambria.
Wilbur James Smith, Woodland.
*Avice Lorena Sowers, Emporia.
Herman Lawrence Spady, Emporia.
*Vanina Edna Wagaman, Waverly.
*Nellie Weaver, Bucklin.
*Hattie Pool Wilkinson. Haddam.
*Effie Wilson, Frankfort.
*Hazel Imogene Zent, Greensburg.
*Hester Hyacinth Zimmerman, Densmore.

UNCLASSIFIED STUDENTS.

Emma Ahlften, Long Island.
Bernice Belle Alsop, Hamilton.
Edith Antle, Emporia.
Lewis Appleby, Marion.
Nell Antman, Lincoln.
*Blanche Bodine, *Springfield, Colo.*
Everett Marvin Bowman, Selma.
Edna G. Brannon, Emporia.
*Lula Mae Butler, Harper.
*Marie Florence Chilcott, Louisville.

UNCLASSIFIED STUDENTS—*concluded.*

*Bess Gertrude Clapp, Emporia.
*Bertie Coffman, Atchison.
*Ethel Pearl Cooper, Topeka.
*Mrs. Mary Crosswhite, Emporia.
*Mrs. Jessie Culter, Emporia.
*Belle Lee Davis, La Harpe.
*Nina Dodd, Waverly.
*Evaline Edminston, Towanda.
*Orra Bernice Edwards, Moran.
*Ruth Edna Edwards, Moran.
Trowone Ellmore, Emporia.
*Nell Henretta Enns, Inman.
*Emma Alice Everline, Garnett.
*Mrs. Frances Josina Fickel, Scandia.
*Pearl Mae Fitzgerald, Topeka.
*William Roger Frazer, Marion.
*Ella Sarah Fuller, Greenville.
*Milton Clarence Haffa, Emporia.
Mrs. Bess Maul Harter, Emporia.
*Mary Hege, Newton.
Mrs. Belle Roberson James, Emporia.
*Irma Alta Jones, Hutchinson.
*Mrs. Emma Kathryn Kelsey.
*Gwendola Lee, Louisburg.
Artie Roseilla McCulley, Winfield.
Nellie Tallman Mallary.
*Emma Jane Parks, Benton.
*Lola Mae Plank, Harper.
*Agnes Louise Praeger, Claflin.
*Mrs. W. E. Randolph, Fairview.
*Bessie Ruth Rankin, Idana.
Gottfred Alfred Rasmussen, Emporia.
*Lillie May Reed, Minneola.
*Ethie M. Rhoades, Gardner.
*Myrtis Ethel Riley, Reece.
*Anna R. Rogers, Emporia.
*Harvey Leslie Ross, Holton.
*Maggie Rachel Ross, Mayetta.
*E. P. Sharp, Emporia.
*Pearl Emerson Sharp, *Fort Smith, Ark.*
*Winifred Sheats, Osawatomie.
*Sister Angelicia, Beloit.
*Laura Arvella Smith, Hawkins.
*Mary L. Snedeker, Mexico.
*Cora Pearl Strong, Overbrook.
*Nelle Bernice Thomson, Osage City.
Cora Elizabeth Unbarger, Harvey.
Gladys Van Fossen, Emporia.
Dorothy Vestal, Emporia.
*Grace Wade, Emporia.
*Elsie May Wolford, Harveyville.

MUSIC.

Frank Adam, Emporia.
Iva Allen, Emporia.
Julia Andrews, Emporia.
Ruth Andrews, Emporia.
Lena Myrtle Arnold, Reading.
Winona Atyes, Emporia.
Bennett Bailey, Emporia.
Mrs. C. C. Bailey, Eureka.
Myrtle Bain, Emporia.
Lorene Barned, Emporia.
*Willa Bell, Americus.
Herman Berg, Emporia.
Dwight Bishop, Emporia.
Mary Alice Bordenkircher, Emporia.
Ernest Breed, Emporia.
Nira H. Brigham, Council Grove.
*Rice Brown, Emporia.
H. W. Bubinsky, Emporia.
Harry Burnap, Emporia.
Mary Burnap, Emporia
Geraldine Byrd, Emporia.
Cecil Eugene Carl, Emporia.
Clifford Carr, Emporia.
Sara Chase, Emporia.
Mrs. Bertha Clark, Emporia.
Marjorie Clark, Emporia.
Dorothy Clogston, Emporia.
*Irene Cochnnet, Emporia.
*Laverne Cochnnet, Emporia.
Edna Cole, Emporia.
Clifford Collins, Emporia.
*Lela Cope, Emporia.
Winton Corbett, Emporia.
Edith Crouse, Emporia.
Erma Ursula Curtis, Emporia.
Willa Daniels, Emporia.
Velva Dreise, Emporia.
Margaret Dwelle, Emporia.
Lida Eckdall, Emporia.
Frank Eckdall, Emporia.
Funston Eckdall, Emporia.
Virginia Eckdall, Emporia.
Mignon Fagard, Emporia.
John E. Filinger, Emporia.
Dollie May Forst, Emporia.
Catherine Ganse, Emporia.
Francis Garten, Emporia.
Marjorie Gilson, Emporia.
Miriam Gilson, Emporia.
Terressa Gilson, Emporia.
Maxine Glass, Emporia.
Moris Grady, Emporia.
Warfield Graves, Emporia.
Edward Greenburg, Emporia.
*Helen Greenberg, Emporia.
Winifred Gufler, Emporia.
Isabel Gwinner, Emporia.
F. W. Haight, Emporia.
Roberta Hamlin, Emporia.
Mrs. Bessie Brooks Hawkins, Emporia.
Violet May Haynes, Emporia.
Imogene Hedrick, Emporia.
Harold Hensley, Emporia.
Ardis Hill, Emporia.
Olive Holmes, Emporia.
Beatrice Hoover, Emporia.
Mary Humphrey, Emporia.
Mabel Humphrey, Emporia.
Irene Helen Jackson, Emporia.
Edna Jacob, Reading.
Doris Jones, Emporia.
Marie June Jones, Emporia.
*Walter Jones, Emporia.
John Kell, Emporia.
Margaret Keller, Emporia.
Mrs. Neta Kiefer, Emporia.
Marie Kliewer, Emporia.
Glasco Knox, Emporia.
Violet Kretsinger, Emporia.
Fred Lakin, Emporia.
Dorothy May Lawrence, Emporia.
Catherine Leach, Emporia.
Margaret Leatherberry, Emporia.
E. A. Lewis, Emporia.
Eugene Link, Emporia.
Lida Belle Link, Emporia.
Helen Lockard, Emporia.
Emily Lord, Emporia.
Lorita Luce, Emporia.
Harriet Lull, Emporia.
Helen McBride, Emporia.
Roberta McBride, Emporia.
Mrs. G. W. McCaw, Emporia.
Lorena McCaw, Emporia.
Irene Marmont, Emporia.
Naomi Martin, Emporia.
Eva Marvin, Emporia.
Margaret Mayberry, Emporia.

MUSIC—*concluded.*

Latoska Meek, Emporia.
Roberta Moore, Emporia.
Dorothy Morgan, Emporia.
Elizabeth Morgan, Emporia.
Grace Morrow, Emporia.
Harold Mulhollen, Emporia.
Ruth Nation, Emporia.
Beatty Neighbors, Emporia.
Martha Neighbors, Emporia.
Ramona Neill, Emporia.
Sylvia Neill, Emporia.
Eleanor Newman, Emporia.
Mrs. F. W. Ott, Emporia.
Viola Padeu, Emporia.
Mary Patty, Emporia.
Elizabeth Peach, Emporia.
Adelle Peterson, Emporia.
Orvetta Phipps, Emporia.
Marie Pierson, Emporia.
Mina Piper, Emporia.
Maurice Plummer, Emporia.
Sybil Polson, Emporia.
Lloyd Price, Emporia.
Rose Ptach, Emporia.
Agnes Rasmussen, Emporia.
Hettie Edna Rees, Emporia.
Birdie Lucile Rich, Emporia.
Gladys Rich, Emporia.
George Richter, Emporia.
Mary C. Rickabaugh, Emporia.
Robert Milton Riley, Emporia.
Alice Roger, Emporia.
Frances Ruggles, Emporia.
Eugene Ryan, Emporia.
Josephine Saggaser, Emporia.
Clifford Saylors, Emporia.
Hazel Schultz, Emporia.
Bessie Gay Secrest, Emporia.
Lela Shaner, Emporia.
*Violet Shaw, Emporia.
Margaret Shearer, Emporia.
Ione Shepard, Emporia.
Hazel Shultz, Emporia.
Maida Smith, Emporia.
Maurine H. Smith, Emporia.
Lois Sonnedecker, Emporia.
Robert Sowder, Madison.
Kathleen Sowerby, Emporia.
Virginia Sprague, Emporia.
Louise Starkey, Emporia.
Joseph Starr, Emporia.
Rosalie Starr, Emporia.
Florence Stewart, Emporia.
Dorothy Swartzel, Emporia.
Margaret Tholen, Emporia.
Caroline Thomas, Emporia.
Gordon Thomas, Emporia.
Grace Thomas, Emporia.
Mary Evelyn Thomas, Emporia.
Rilie Thompson, Emporia.
Jay Thomson, Emporia.
Loreta Thuduim, Emporia.
Kenneth Trimble, Emporia.
Paul Trimble, Emporia.
Wilma Turner, Emporia.
Bertha Volmer, Emporia.
Mary Katherine Wachter, Emporia.
Juanita Waller, Emporia.
Robert Warren, Emporia.
Mrs. Lee Wayman, Emporia.
Jessie Craig Wells, Emporia.
Dewitt Williams, Emporia.
Elizabeth Williams, Emporia.
Audrey Wilson, Emporia.
Ethel Wilson, Emporia.
Garland Wilson, Emporia.
Jack Wilson, Emporia.
Charlie Wittman, Emporia.
Isabel Wolford, Emporia.
Maxine Yeater, Emporia.

VISITORS.

Gertrude Austelia Brooks, Kansas City.
Floyd Kendig, Emporia.
Ruth Montague Downs, Kansas City.

Junior High School and Elementary Training School..... 326

SUMMARY OF ATTENDANCE.

	Women.	*Men.*	*Total.*	
Graduates	12	5	17	
College Seniors	62	77	139	
College Juniors	138	61	199	
College Sophomores	319	61	380	
College Freshmen	1,449	114	1,563	
	1,980	318	2,298	
High School Seniors	80	22	102	
High School Juniors	64	12	76	
High School Sophomores	59	25	84	
High School Freshmen	30	9	39	
	233	68	301	
				2,599
Unclassified	53	8	61	
Music (taking music only)	139	38	177	
Junior High School and Elementary Training School	164	162	326	
			564	
				3,163
Correspondence			418	
Extension			250	
				3,831

KANSAS COUNTIES REPRESENTED.

The following-named counties—94 in all—were represented during the past year. As younger children make up the classes in the primary, intermediate and upper grades of the Elementary School and the Junior and Senior High School, the pupils listed there are largely from Emporia or from the immediate vicinity. Many students who are enrolled as from Emporia or Lyon county belong to families who are residing here temporarily for the purpose of educating their children.

Allen	41	Greenwood	75	Phillips	12
Anderson	31	Harper	32	Pottawatomie	22
Atchison	32	Harvey	32	Pratt	12
Barber	20	Jackson	37	Rawlins	3
Barton	9	Jefferson	44	Reno	44
Bourbon	16	Jewell	32	Republic	28
Brown	19	Johnson	26	Rice	26
Butler	32	Kearny	2	Riley	4
Chase	20	Kingman	29	Rooks	3
Chautauqua	4	Kiowa	13	Rush	4
Cherokee	9	Labette	9	Russell	6
Clark	13	Lane	3	Saline	31
Clay	31	Leavenworth	19	Scott	2
Cloud	12	Lincoln	22	Sedgwick	57
Coffey	44	Linn	27	Seward	4
Comanche	6	Lyon	720	Shawnee	66
Cowley	43	McPherson	39	Sheridan	1
Crawford	3	Marion	56	Smith	7
Decatur	2	Marshall	39	Stafford	23
Dickinson	44	Meade	12	Stanton	2
Doniphan	9	Miami	29	Stevens	4
Douglas	31	Mitchell	10	Sumner	25
Edwards	10	Montgomery	36	Thomas	1
Elk	26	Morris	53	Trego	1
Ellsworth	8	Nemaha	23	Wabaunsee	48
Finney	10	Neosho	18	Washington	23
Ford	16	Ness	10	Wichita	1
Franklin	52	Norton	8	Wilson	42
Geary	5	Osage	72	Woodson	34
Gove	2	Osborne	15	Wyandotte	31
Graham	2	Ottawa	21		
Gray	15	Pawnee	7		

NONRESIDENTS OF KANSAS.

Arkansas	1	Iowa	2	Oklahoma	44
California	3	Missouri	22	Texas	2
Colorado	5	Nebraska	1		
Illinois	1	New Mexico	2		

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□

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VOLUME X. NEW SERIES. NO. 4.

KANSAS
STATE NORMAL SCHOOL
EMPORIA

GENERAL CATALOGUE

1920-1921

WITH ANNOUNCEMENTS
for 1921-1922

PRINTED BY KANSAS STATE PRINTING PLANT
IMRI ZUMWALT, STATE PRINTER
TOPEKA 1921
8-5989

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EMPORIA, KANSAS.

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VOLUME X. NEW SERIES. NO. 4.

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CALENDAR

1921

JANUARY

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Calendar—School Year, 1921-1922.

The school year opens with the Summer Term and consists of a Summer Term of twelve weeks and two semesters of eighteen weeks each.

1921.

May 24-27, Tuesday to Friday.—Semester final examinations.
May 25-27, Wednesday to Friday.—College entrance examinations.
May 28, Saturday.—Registration of students in residence for the Summer Term.
May 30, Monday.—*Penalty of $1 on students in residence for late registration.*
May 31, Tuesday, 9:30 a. m.—Commencement exercises.
June 1, Wednesday.—Opening of Summer Term.
June 3, Friday.—*Penalty of $1 for late registration of new or former students.*
July 4, Monday.—A holiday.
July 28-29, Thursday and Friday.—Term final examinations.
July 29, Friday.—Close of First Session of Summer Term.
July 29, Friday, to August 25, Thursday.—Second Session of Summer Term.
August 25, Thursday, to September 5, Monday.—Vacation.
September 2-4, Thursday to Saturday.—College entrance examinations.
September 5, Monday.—Registration of students for the First (September to January) Semester.
September 6, Tuesday, 8 a. m.—Opening of First (September to January) Semester.
September 7, Wednesday.—*Penalty of $1 for late registration.*
October 22-23, Friday and Saturday.—County teachers' examination.
November 24-25, Thursday and Friday.—Thanksgiving vacation.
December 16, Friday, 6 p. m.—Beginning of Christmas vacation.

1922.

January 2, Monday, 8 a. m.—Close of Christmas vacation.
January 17-20, Tuesday to Friday.—Semester final examinations.
January 20, Friday.—Close of First (September to January) Semester.
January 20-21, Friday and Saturday.—County teachers' examination.
January 20-21, Friday and Saturday.—Registration of students for the Second (January to May) Semester.
January 23, Monday, 8 a. m.—Opening of Second (January to May) Semester.
January 24, Tuesday.—*Fee of $1 for late registration.*
February 15, Wednesday.—Founder's Day.
March 10, Friday—High-school play.
March 27, Monday.—Organization of midsemester classes.
May 4, Thursday, 8, p. m.—Annual Phi Delta Delta address.
May 5, Friday, 8 p. m.—President's reception.
May 12, Friday.—Elementary Training School operetta.
May 21, Sunday, 11 a. m.—Baccalaureate address.
4 p. m.—Vesper service, Y. M. C. A. and Y. W. C. A.
May 23, Tuesday, 3 p. m.—Alumni business meeting.
May 24, Wednesday, 9:30 a. m.—Commencement exercises.
12 m.—Commencement dinner.
May 23-26, Tuesday to Friday.—Semester final examinations.
May 26, Friday.—Close of Second (January to May) Semester.
May 27, Saturday.—Registration of students in residence for Summer Term.
May 29-30, Monday and Tuesday.—Registration of new students and former students for the Summer Term.
May 31, Wednesday.—Opening of Summer Term.

Officers of Instruction and Administration.

Faculty.

THOMAS WALTER BUTCHER, President.
A. B., University of Kansas; A. M., Harvard University; University of Berlin.

FRANK U. G. AGRELIUS, Associate Professor of Botany, and Supervisor of Botany in the Senior Training Division of the Roosevelt High School.
A. B., A. M., University of Kansas.

JANE KELLOGG ATWOOD, Acting Head, Department of Geography, and Supervising Teacher of Geography, Roosevelt High School.
Ed. B., M. S., University of Chicago.

EDWIN R. BARRETT, Professor of English, and General Supervisor of English in the Roosevelt High School.
A. B., Park College; A. M., University of Kansas; University of Chicago.

FRANK AMBROSE BEACH, Director of Department of Music, and Professor of Public-school Music.
B. L., University of Michigan; Syracuse University School of Music; Juliani School of Opera, Paris.

ELIZABETH BEYE,[1] Professor of Home Economics, General Supervisor of Home Economics in the Elementary Training School, and Roosevelt High School.
B. S., Lewis Institute; University of Wisconsin.

HENRY ELLIS BIRDSONG, Associate Professor of English.
A. B., Bachelor of Journalism, University of Missouri; University of Chicago.

WILLIAM SHELTON BIXLER, Registrar.
B. S., Lincoln College; Ph. M., University of Chicago; Indiana University; University of Pennsylvania.

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B. Acct., Lincoln Business College, Lincoln, Ill.; A. B., University of Illinois; Stout Institute; University of Wisconsin.

WILLIS H. CAROTHERS, Professor of Educational Administration.
A. B., A. M., University of Kansas; University of Chicago; Teachers' College.

HORACE M. CULTER, Professor of Rural School Administration.
A. B. in Education, Kansas State Normal School.

V. A. DAVIS,[2] Associate Professor of English.
William Jewell College; LL. B., Kansas City School of Law; B. S. in Education; A. M., University of Missouri.

EXPLANATION OF REFERENCE MARKS.

1. Absent summer, 1920; resigned January, 1921.
2. Began summer, 1920.
3. Resigned January, 1921.
4. Resigned July, 1920.
5. Returned summer, 1920.
6. Resigned September, 1920.
7. Head of department since September, 1920.
8. Began September, 1920.
9. Began January, 1921.
10. Absent summer, 1920.
11. Resigned February, 1921.
12. Began November, 1920.
13. Absent on leave.
14. Began February, 1921.

JAMES CLARENCE DE VOSS, Director of Bureau of Educational Measurements and Standards, and Associate Professor of Psychology.

A. B., A. M., University of Colorado; with Psychological Division, San. C., United States Army, February, 1918, to June, 1919.

JOHN PAYSON DRAKE, Professor of Physics.

A. B., A. M., Wesleyan University (Connecticut); University of Wisconsin; University of Chicago.

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B. S. in Education, Kansas State Normal School; A. M., University of Chicago; University of Berlin.

GEORGE W. ELLIS, Associate Professor of Mathematics.

A. B., A. M., Hamilton College; University of Chicago.

FRANKLIN L. GILSON, Professor of Public Speaking and Expression, and Supervisor of Public Speaking in Roosevelt High School.

Ph. B., Upper Iowa University; Cumnock School of Oratory; University of Chicago; Curry School of Expression.

EMMA L. GRIDLEY, Professor of Art.

A. B. in Education, Kansas State Normal School; Massachusetts Normal Art School; University of Chicago; Dow's Summer Art School; New York University.

HOMER WOODSON HARGISS, Coach of Men's Athletics, and Head of Department of Men's Physical Education.

Kansas State Normal School; College of Emporia; Harvard School of Physical Education.

ACHSAH MAY HARRIS, Professor of Primary Education, and Head Supervising Teacher of the Primary Grades.

A. B. in Education, Kansas State Normal School; A. B., University of Michigan; University of Chicago; Chicago School of Music; Columbia University.

W. L. HOLTZ, Professor of Latin, and Supervising Teacher of Latin in the Roosevelt High School.

A. B., Baker University; University of Chicago.

MARY NICHOLL KERR (MRS. WILLIS H.), Dean of Women.

A. B., A. M., Bellevue College; University of Edinburgh.

WILLIS H. KERR, Librarian.

A. B., Bellevue College; A. M., Columbia University; University of Edinburgh.

THEODORE LINDQUIST, Professor of Mathematics and General Supervisor of Mathematics in Roosevelt High School.

A. B., Lombard College; M. S., Northwestern University; Ph. D., University of Chicago.

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A. B., University of Michigan; A. M., University of Washington; Ph. D., University of California.

H. D. MCCHESNEY,[4] Acting Head, Department of Men's Physical Education, and Supervisor of Physical Education in the Elementary Training School and Roosevelt High School.

University of Wisconsin; American College of Physical Education.

EDNA MCCULLOUGH, Acting Head, Department of Women's Physical Education.

B. S. in Education, Kansas State Normal School; graduate, Sargent School of Physical Education.

GEORGE W. MCLAREN,[4] Coach of Men's Athletics.

D. D. S., University of Pittsburgh.

JAMES W. MAYBERRY, Professor of Chemistry.

A. B., A. M., University of Kansas.

WALTER E. MYER,[5] Professor of Sociology and Economics.
A. B., Southwestern College; A. M., University of Chicago.

ANNABEL NEWTON,[6] Associate Professor of English.
B. L., A. M., Ohio Wesleyan University; A. B., A. M., University of Michigan; University of Chicago; Oxford University.

LUCILE OWEN, Bursar.
A. B. in Education, Kansas State Normal School; University of Chicago.

L. A. PARKE, Professor of Commerce, and Supervising Teacher of Commerce in the Roosevelt High School.
LL. B., University of Kansas.

CHARLES R. PHIPPS, Professor of Agriculture.
Eastern Illinois State Normal School; B. S., University of Illinois.

W. D. ROSS, Director of Public School Service.
A. B., A. M., University of Kansas; Teachers' College, Columbia University.

CARL W. SALSER, Secretary of the Alumni Association, and Director of the Extension Division.
A. B. in Education, Kansas State Normal School.

EARL L. SHOUP,[4] Associate Professor of History.
A. B., Washburn College; Yale University; University of Chicago.

M. L. SMITH, Director of School Consolidation.
B. Pd., Kansas Wesleyan University; B. S., Teachers' College, Columbia University.

HAZEL K. STIEBELING,[7] Professor of Home Economics, and General Supervisor of Home Economics in the Elementary Training School and Roosevelt High School.

CATHERINE E. STROUSE, Associate Professor of Public School Music.
Winona State Normal School; Thomas Training School, Detroit; National Summer School, Chicago.

NORMAN TRIPLETT, Professor of Psychology and Philosophy.
A. B., Illinois College; A. M., Indiana University; Ph. D., Clark University.

FRANK W. WHITE, Professor of Physiology and Hygiene.
M. D., Tufts College; Harvard School of Physical Education.

PELAGIUS WILLIAMS, Professor of History.
A. B., College of Emporia; A. M., University of Chicago; Columbia University.

LYMAN C. WOOSTER, Professor of Biology and Geology.
Wisconsin Normal School (Whitewater); Beloit College; Ph. D., Milton College; Yale University; University of Chicago.

DEAN C. WORCESTER,[8] Associate Professor of Psychology, and Assistant Director, Bureau of Educational Measurements and Standards.
A. B., University of Colorado; University of Pennsylvania.

BEULAH ALTMAN,[3] Instructor in Modern Languages, and Supervising Teacher of French in the Roosevelt High School.
A. B., College of Emporia; A. M., University of Chicago; University of Berlin; Private school in Paris.

VIDA L. ASKEW, Instructor in English, and Supervising Teacher of English in the Roosevelt High School.
A. B., A. M., Oberlin College.

ADA MARIE BAUM, Instructor in Piano.
American Conservatory of Music, Chicago; Allen Spencer, Chicago; Arthur Dunham, Chicago; Mrs. Johana Hess-Burr, Chicago; Thomas Whitney Surette, Boston.

RAMA V. BENNETT,[9] Instructor in Home Economics.

University of Colorado; State Normal School, Santa Barbarba, Cal.; B. S., Teachers College.

FLORENCE G. BILLIG, Supervising Teacher of Elementary and General Science in the Junior Division of the Roosevelt High School.

B. S., University of Chicago; A. M., Teachers' College, Columbia University; Marine Biological Laboratory, Woods Hole, Mass.

LENA BIXLER (MRS. W. S.),[9] Assistant Supervising Teacher of Primary Grades.

B. S. in Education, Kansas State Normal School; University of Chicago.

ANNE M. BODENSIECK,[9] Instructor in Modern Languages.

A. B., University of Iowa; A. M., University of Wisconsin.

ROSALIE BRIGHAM,[3] Instructor in Piano.

Kansas State Normal School of Music; Rudolph Reuter, Chicago; Mme. Barbereux Parry.

GERTRUDE BROWN, Supervising Teacher of English in Intermediate Grades.

Ottawa University; University of Colorado; University of Chicago.

ELNORA CONRAD,[8] Instructor in English in Roosevelt High School.

Columbia College of Expression, Chicago; B. S. in Education, Kansaas State Normal School.

ETHEL CROSS,[10] Supervising Teacher of History and Civics in Intermediate Grades.

B. S. in Education, Kansasa State Normal School; University of Chicago.

CHARLAINE DEATHERAGE,[8] Instructor in Latin.

A. B., University of Colorado; A. M., University of Chicago.

GRACE DEXTER,[11] Instructor in Home Economics.

A. B., University of Illinois.

DANNETTA M. ECKDALL (MRS. J. E.), Instructor in Art.

School of Design, Pittsburgh, Pa.; Art Students' League; William Chase School of Art, New York; Chautauqua Arts and Crafts Summer School; Atkinson Mentzer Summer School, Chicago; Academy of Fine Arts, Chicago.

JANET FOTHERINGHAM,[12] Instructor in Department of Women's Physical Education.

Diploma, Sargent School of Physical Education.

ANNE GEORGE,[4] Instructor in Home Economics.

College of Industrial Arts; A. B., Columbia University.

MARY GEORGE, Assistant Supervising Teacher of the Primary Grades.

New York Training School, Rome, N. Y.; Iowa University; B. S., Kansas State Normal School; Teachers' College.

NELLE GRANT,[4] Assistant Supervising Teacher of the Primary Grades.

Kansas State Normal School; Teachers College.

GERTRUDE HATFIELD,[8] Assistant Supervising Teacher of Primary Grades.

Kansas State Normal School.

MARTHA BATES HATFIELD,[8] Instructor in Voice.

Herman Springer Studio; Ella Van Huff Studio; Kansas City Conservatory; Chicago Musical College; Cranston School of Music.

GLADYS HAWKINS,[4] Instructor in Piano.

State Normal School, Potsdam, New York; Leschetzky Master School, Vienna.

LOUISE HUGHES,[2] Instructor in Public-school Music.

Illinois Women's College; Kansas State Normal School; National Summer School of Music, Lake Forest, Ill.

ALICE HURD,[8] Instructor in Violin.

Bethany College, Topeka; Kansas City Conservatory of Music.

MARY ELLEN ICKE, Supervising Teacher of Arithmetic in the Intermediate Grades.

Kansas State Normal School; Ph. B., University of Chicago.

GRACE IRWIN, Instructor in English, and Y. W. C. A. Secretary.

A. B., Baker University; University of Chicago; University of Kansas; Y. W. C. A. Training School, New York City, N. Y.

MABEL H. JOHNSON, Assistant Supervising Teacher in the Primary Grades.

Kansaas State Normal School; University of Colorado.

GEORGE KEENAN, Instructor in Violin.

Paris Conservatoire; Conservatoire Nationale, Brussels; Pupil of Huguenin and Bertheliet, Paris; Cæsar Thomson, Brussels.

WILLIAM HEBER KELLER,[13] Instructor in Mathematics, and Supervising Teacher of Mathematics in the Roosevelt High School.

A. B. in Education, Kansas State Normal School; University of Chicago.

LORNA LAVERY,[3] Instructor in Modern Languages, and Supervising Teacher of French and Spanish in the Roosevelt High School.

A. B., University of Chicago; University of California.

ELIZABETH LIGARE,[14] Instructor in Home Economics.

B. S., University of Wisconsin.

ANNA R. MANLEY, Supervising Teacher of English, and Principal of the Junior Division of the Roosevelt High School.

A. B., University of Kansas; University of Chicago; University of Michigan.

MAUDE MINROW, Principal of the Senior Division of the Roosevelt High School, and Supervising Teacher of History in the Senior Division of the Roosevelt High School.

A. B. in Education, Kansas State Normal School; A. M., Columbia University; University of Chicago.

INEZ MORRIS, Supervising Teacher of Mathematics in the Junior Division of the Roosevelt High School.

A. B., University of Kansas; University of Chicago.

KATHERINE MORRISON, Supervising Teacher of Industrial Art and Drawing in the Intermediate Grades and in the Roosevelt High School.

B. S. in Education, Kansas State Normal School; Bradley Polytechnic, Peoria, Ill.; Columbia University; diploma, School of Fine and Applied Arts, New York City, N. Y.

CHARLOTTE OLIN, Supervising Teacher of History and Civics in the Junior Division of the Roosevelt High School.

Ph. B., University of Akron; A. M., E. M., Columbia University.

RALPH PAGE,[2] Instructor in Voice.

Strassburger Conservatory, St. Louis; Kansas City Conservatory of Music; pupil of Horace Dibble, Ottly Cranston and Chas. W. Clark.

WINIFRED PARSONS, Instructor in Department of Public Speaking and Expression.

Graduate, Northwestern School of Oratory, Denison University; A. B., University of Michigan.

MARIE PIERSON,[8] Instructor in Piano.

Supervisor's Diploma, Kansas State Normal School; Diploma in Piano, Kansas State Normal School.

ARDENE PHIFER, Instructor in Piano.

Kansas City Conservatory of Music; Kansas State Agricultural College; Graduate, Cincinnati Conservatory of Music.

HARRIET PRUTSMAN,[10] Instructor in Piano.

A. B., Smith College; Pupil of H. D. Sleeper and Clarence Nixon; Pupil of Rudolph Ganz.

OLIVE REES,[2] Instructor in Art.

B. S., Kansas State Normal School; Prang Industrial Art School, Chicago.

TERESA RYAN, Instructor in English.

A. B., University of Wisconsin; A. M., Columbia University.

A. A. SCHABINGER,[8] Assistant Coach of Men's Athletics, and Instructor in Department of Men's Physical Education.

A. B., College of Emporia; B. P. E., Springfield Y. M. C. A. College, Springfield, Mass.

ELIZABETH SMITH,[8] Supervising Teacher of Primary Grades.

Kansas State Normal School.

MAURINE SMITH,[8] Instructor in Public School Music.

Supervisor's Diploma, Kansas State Normal School; Diploma in Voice, Kansas State Normal School.

F. JAY SOUTH, Instructor in Printing and Supervisor of Printing in the Roosevelt High School.

B. S. in Education, Kansas State Normal School.

VIOLA SPENCER, Instructor in Commerce.

Ph. B., Hamline University; University of Chicago.

E. ANNA STONE, Instructor in Piano.

College of Music, Cincinnati; Pupil of Clara Louise Dunning, New York; Mrs. Crosby-Adams, Chicago; Effie Ellis Perfield, Chicago.

BERNICE TAYLOR,[8] Instructor in Women's Physical Education.

Graduate, Sargent School of Physical Education.

ANNA VAN BUSKIRK,[4] Instructor in English.

Western State Normal School, Kalamazoo, Mich.; A. B., A. M., University of Michigan.

W. A. VAN VORIS, Instructor in Science, and Supervising Teacher of Science in the Roosevelt High School.

A. B. in Education, Kansas State Normal School; University of Chicago.

F. G. WELCH,[2] Instructor in Agriculture.

B. S. in Education, Kansas State Normal School; B. S. in Agriculture, Kansas State Agricultural College.

JENNIE WILLIAMS, Head of Intermediate Grades, and Supervising Teacher of Geography.

A. B. in Education, Kansas State Normal School; University of Chicago; A. M., Teachers' College, Columbia University.

VIRGINIA WILSON,[8] Instructor in Commerce.

B. S., Kansas State Normal School.

Officers of Administration.

THOMAS WALTER BUTCHER, President.

WILLIAM SHELTON BIXLER, Registrar.

MARY NICHOLL KERR (MRS. WILLIS H.), Dean of Women.

WILLIS H. KERR, Librarian.

HERBERT G. LULL, Director of Teacher Training.

LUCILE OWEN, BURSAR.

CARL W. SALSER, Secretary of the Alumni Association, and Director of the Extension Division.

NORMAN TRIPLETT, Acting Dean.

Office and Library Assistants.

ERMA BROWN,[3] Office Secretary, Kellogg Library.
B. S. Education, Kansas State Normal School.

MARY E. EDWARDS, Secretary to Director of Appointment Bureau.

CARL E. DENT, Secretary of Correspondence-Study Department.
Kansas State Normal School.

ELLSWORTH DENT, Secretary to the Director of Bureau of Educational Measurements and Standards.
Kansas State Normal School.

HARRIET ELCOCK, First Assistant, Circulation Department, Kellogg Library.

BERYL FISHER, Secretary to the Director of Teacher Training.
Kansas State Normal School.

FRANCES LEE FRIEND, Secretary to the Bursar.
Kansas State Normal School.

KATHERINE FULLER, Secretary to the Director of the Department of Music.
Kansas State Normal School.

C. H. HILL, Superintendent of Buildings and Grounds, and Manager of the Campus Tavern.

BEATRICE HOOVER, Secretary to the President.
Kansas State Normal School.

ANITA HOSTETTER,[8] Bibliographic Secretary, Kellogg Library.
A. B., University of Kansas; B. L. S., University of Illinois.

FAYE HUFFMAN, School Department Librarian, Kellogg Library.
Kansas State Normal School.

GRACE IRWIN, Secretary, Young Women's Christian Association.

MRS. MARY P. KIRTLAN, Nurse.
Graduate Arapahoe County Training School for Nurses, Denver; Kansas State Normal School.

MRS. JESSIE W. LUTHER,[8] Reference Librarian, and Instructor in Library Methods, Kellogg Library.

State Normal School, Platteville, Wis.; University of Wisconsin; graduate, Library School, University of Wisconsin.

JOSEPHINE PELZEL, Record Clerk.

MAUDE E. SHORE, Head of Circulation Department, Kellogg Library.

B. S. in Education, Kansas State Normal School.

FRIEDA K. WILLIAMS, Cataloguer, Kellogg Library.

A. B., University of Indiana; University of Michigan; University of Illinois.

Additions to Faculty for Summer School, 1920.

ELIZABETH APEL, Instructor in Modern Languages.

A. B., A. M., University of Kansas.

A. T. CHAPIN, Instructor in Latin.

A. B., Denison University; University of Pennsylvania.

IRENE E. DENNEEN, Instructor in Rural School Administration.

Superior State Normal School; Ph. B., University of Wisconsin.

MYRTLE DOWNING, Instructor in Mathematics.

B. S., Kansas State Normal School; University of Colorado; University of Chicago.

GEO. L. DRENNEN, Instructor in Physiology and Hygiene.

Illinois College.

NANCY CAROLINE FOSTER, Instructor in Department of Women's Physical Education.

Kalamazoo College; Western State Normal, Kalamazoo, Mich.; Chautauqua School of Physical Education.

MARY E. GLISSON, Instructor in Public Speaking and Expression.

A. B., B. O., Hedding College; Graduate, Cumnock School of Oratory.

MAUDE A. GOODWIN, Instructor in Art.

Graduate, Church School of Art; Art Institute of Chicago; State Normal School, Kearney, Neb.

SUSAN M. GUILD, Instructor in Modern Languages.

A. B., Washburn College; University of Chicago; University of Wisconsin; University of California; University of Berlin.

NORA HALL, Instructor in Art.

B. S., Kansas State Normal School; Industrial Art School, Chicago.

ANNIE HAWKES, Instructor in Home Economics.

Mankato, Minn., State Normal School; University of Minnesota; B. S., Teachers' College.

MABLE HIGGIE, Instructor in Art.

University of Washington; Chicago Academy of Fine Arts.

EMMA HYDE, Instructor in Mathematics.

A. B., University of Kansas; A. M., University of Chicago.

ESTHER S. JONES, Instructor in Biology.

A. B., College of Emporia; Kansas State Agricultural College.

FRED C. JONES, Instructor in Rural School Administration.

Kansas State Agricultural College; B. S., Kansas State Normal School.

LURA LEWIS, Instructor in English.
B. S., Culver-Stockton College; Kirkville State Normal School; B. S. in Education, A. M., University of Missouri.

FLOYD MCNEIL, Library Assistant.
B. S. in Education, Kansas State Normal School.

MILDRED MARKHAM, Instructor in Art.
Graduate, Art Institute of Chicago.

MIGNON MAYBERRY, Instructor in Home Economics.
B. S. in Education, Kansas State Normal School.

ETHEL MEALEY, Instructor in Women's Physical Education.
B. S. in Education, Kansas State Normal School; Columbia University.

H. S. MILLER, Instructor in Commerce.
M. C. S., Ohio Northern University.

MARVEL MILLER, Instructor in Public Speaking and Expression.
Coe College, Cedar Rapids, Iowa.

LENA MONROE, Instructor in English.
B. S., Kansas State Normal School.

KATISUE MOORE, Instructor in Women's Physical Education.
University of Arkansas; Chicago Normal School of Physical Education.

MABLE MURPHY, Instructor in Music Department.
St. Margaret's Episcopal School, Boise, Idaho; Oberlin Conservatory of Music; B. M, Michigan University School of Music; Berlin Conservatory.

E. C. POCOCK, Instructor in Commerce.
B. S. in Education, Kansas State Normal School; Valparaiso University.

EVA RECTOR, Instructor in Art.
B. S. in Education, Kansas State Normal School.

ESTHER REED, Assistant in Training School.
Kansas State Normal School.

OLIVE REES, Instructor in Art.
B. S. in Education, Kansas State Normal School; Chicago School of Industrial Art.

C. C. REGIER, Instructor in History.
A. B., A. M., Bethel College; University of Kansas; University of Chicago.

RUTH F. REPINE, Instructor in Art.
James Millikin University; Graduate, Indianapolis Conservatory; Northwestern University.

EUNICE RYAN, Instructor in Home Economics.
B. S., University of Wisconsin; Teachers' College.

VERA SCHIEN, Instructor in Music Department.
Graduate, Music Department, James Milliken University.

A. F. SENTER, Instructor in Rural School Administration.
B. S., Salina Normal University; B. S. in Education, Kansas State Normal School.

WAYNE F. SHAW, Instructor in Rural School Administration.
A. B in Education, Kansas State Normal School; University of Kansas.

VERA STONE, Instructor in Art.
Graduate, Academic Department, Art Institute of Chicago; University of Minnesota; Kansas State Normal School; Chicago Academy of Fine Arts.

CONRAD VANDERVELDE, Instructor in Psychology.

A. B., Ripon College; A. M., Princeton University; B. D., Princeton Theological Seminary; University of Chicago.

PEARL WEIDMAN, Instructor in Music.

Pupil of Mr. and Mrs. Carl Busch.

GEORGE K. WELLS, Instructor in Drawing.

B. S. in Education, Kansas State Normal School.

C. OMAR WEST, Instructor in Physiology and Hygiene.

B. S., Ottawa University; Edinburgh University; University of Kansas.

GENERAL INFORMATION.

HISTORICAL.

The State Normal School of Kansas was located at Emporia by act of the legislature passed in February, 1863; the legislature of 1864 provided for the appointment of a Board of Regents and the organization of the School, and the first appropriation bill, $1,000, for the salaries of teachers was approved February 29, 1864. The School opened its doors to students and began regular work in the upper room of a school building owned by the city of Emporia, February 15, 1865, with one teacher, L. B. Kellogg, and eighteen students.

The first building for the use of the School erected by the state was dedicated January 2, 1867; the first graduating class, consisting of two young women, was the class of 1867. Since that time the School has graduated more than 3,500 young men and women, and numbered probably 30,000 among its undergraduate students. Almost the entire number of these have engaged for a longer or shorter time in teaching in the schools of Kansas and of other states, and the influence of the School has been a positive and powerful factor in the educational life of the state during all the fifty-seven years of its history.

By the act of the legislature of 1901 the Normal School at Hays, and by the act of the legislature of 1903 the Normal School at Pittsburg, were established as auxiliary to the State Normal School at Emporia, and designated, respectively, "The Western Branch State Normal School" and "The Manual Training Auxiliary."

By act of the legislature of 1913 the management of these schools was placed in the hands of a Board of Educational Administration. By authority of the same act the Normal School at Hays was reorganized as the Fort Hays Kansas Normal School, and the Normal School at Pittsburg as the State Manual Training Normal School.

In 1917, by act of the legislature, the management of the State Normal School passed to a newly constituted Board of Administration, controlling all state institutions, educational, charitable and correctional. This board assumed its duties July 1, 1917.

PURPOSE.

The act organizing the School and locating it permanently at Emporia provided that its exclusive purpose should be "the instruction of persons, both male and female, in the art of teaching," and designated in general terms such branches of instruction as were then recognized as necessary for the accomplishment of that end. The School throughout its history has been conducted in the spirit of its foundation and with specific reference to its function of preparing teachers for the public schools of the state.

The field of the Normal School as an essential part of the school system of the state implies a recognition of the principles that proficiency in the art of teaching is dependent upon thorough knowledge of the fundamental principles of the science of teaching, that this knowledge should be both historical and philosophical, and that clear conception of methods can most readily be attained by an intelligent study of them in practical operation.

The Normal Schools of the state, then, organized into one system, assume as their field specifically the professional function. The place and value of every subject in the course of study is determined by its relation to this end, the method of approach to every subject of instruction has the teaching purpose practically in view, and in every way the Normal Schools seek to develop a distinctive teaching atmosphere, to foster the best expression of the teaching spirit, and to set the highest standards for teaching preparation.

To fulfill this mission adequately, and to meet the legitimate demands made upon them, the Normal Schools recognize that they must touch every phase of public-school life in the state, must lay the foundations of broad and thorough scholarship and professional training for every grade of school work, and must seek to be progressive centers of educational thought and disseminators of the best teaching ideals to the schools of every community.

LOCATION.

Emporia is a city of approximately 12,000 inhabitants, situated between the Neosho and Cottonwood rivers, in a beautiful and healthful location, easily accessible from all parts of the state by the main line and three branches of the Atchison, Topeka & Santa Fe Railway, and a branch of the Missouri, Kansas & Texas.

Emporia combines ideally the characteristics of a model school town. It is a substantial business city in the center of a prosperous agricultural community. Its well-kept lawns, its commodious and comfortable homes, its public buildings, and its numerous schools and churches are external evidence of the spirit of the community; it has also been known as one of the most attractive residence and home cities of the West. It is often designated as a city of schools and churches, and the educational and moral tone of the community is wholesome and helpful in the highest degree.

Students find a cordial welcome to their church homes in the various places of worship in the city, and find places for room and board with congenial surroundings where the moral safeguards are the very best. Many families in the city are particularly identified with the life of the School because they have been especially attracted to Emporia as a place of residence by its educational opportunities.

BUILDINGS AND GROUNDS.

The Normal School grounds are located immediately adjacent to the city at the north end of Commercial street, the leading business street of Emporia. The original campus of twenty acres has been enlarged by successive purchases, so that it now includes about thirty-five acres, in-

cluding one of the most satisfactory and best-equipped athletic fields in the state. The group of buildings includes:

PRESTON B. PLUMB MEMORIAL HALL.

The new administration and main recitation building was completed in 1917. The legislature of 1915 appropriated $175,000 for this building. The building is T-shaped, with the broad arm in front, facing the head of Commercial street, 300 feet directly north of the site of the old main building, which has been removed. The dimensions are as follows: Main wing, 268 feet front, 82 feet side; rear wing (auditorium), 96 feet front, 113 feet deep. The materials are brick and stone, with reinforced concrete floors throughout the four stories. The building provides eighty-five class and office rooms, three rest rooms and two check rooms. An auditorium is entered from the main rotunda, seats 2,000 people, and is provided with ample stage and orchestra facilities.

THE KELLOGG LIBRARY.

The Kellogg Library is named in honor of Lyman Beecher Kellogg, first president of the School. It is an attractive building. In arrangement and equipment it is well adapted to the purposes of a modern educational library. On the first floor are the children's and school departments, an educational document room, and the librarian's office. On the second or main floor are the reading room, reference department, the loan desk, the stacks and the cataloguing rooms. The library collections and special features are described elsewhere.

THE TRAINING SCHOOL BUILDING.

This building is arranged especially for practice teaching, and contains accommodations for the kindergarten and the six grades of the elementary schools. It has a good equipment, with playroom, manual training, kindergarten, kitchen and ample playgrounds. It is notable for its good light and ample ventilation. Valuable and appropriate pictures are on the walls. Its equipment is being added to from year to year.

THE NORTON SCIENCE HALL.

This building was named, by authority of the Regents, "The Norton Science Hall," in honor of Henry B. Norton, first teacher of natural science in the School and associate principal under L. B. Kellogg. Modern laboratories and lecture rooms, equipped with the best scientific apparatus, are provided for the science work. The museum is rich in specimens illustrating the various lines of biological science.

GYMNASIUM AND ATHLETIC FIELD.

The gymnasium is one of the very best in the Middle West. It is in every respect modern, and is designed exclusively for the Department of Physical Education. The basement is almost entirely above ground, allowing plenty of light and direct ventilation. It is equipped with dressing rooms, steel lockers, shower baths and a swimming pool. The first floor, which is 185 by 66 feet in size, is divided by a rolling partition into two gymnasiums. One of these rooms is fitted for basket ball, baseball and other indoor games. The second floor has an exercise

room equipped with all modern gymnasium apparatus. The especially attractive feature of the building is the large basket-ball and exhibition rooms, which, with its visitors' gallery, provides ample room for spectators. Adjoining the gymnasium is what is conceded to be the best athletic field in the state. This field, which is thoroughly tiled and drained, is provided with a quarter-mile cinder running track, with a 220-yard straightaway. On the campus are two football gridirons, three baseball diamonds, tennis courts, a children's playground, and a well-kept space for girls' athletic sports. The size and excellent equipment of the gymnasium, together with the variety of outdoor athletic possibilities and the large staff of expert teachers and coaches, prepares the Normal to fully train teachers for the athletic and playground work required of teachers.

MUSIC HALL.

This building contains private studios for instructors in instrumental and violin music, recitation rooms for classes in theory and harmony, and an office. The overcrowded condition makes necessary the use of other buildings for music instruction.

THE EMERGENCY HOSPITAL.

The hospital is provided with equipment necessary for the emergency care of the students. A trained nurse is in charge. A small fee is required of all students for meeting the expenses of the nurse. Precautionary and preventive measures have checked epidemics and conserved health.

THE HEATING, POWER AND LIGHT PLANT.

The plant is situated in the rear of the other buildings. It is equipped with modern boilers and engines, which furnish heat, power and light for all the buildings.

Admission and Registration.

USE OF THIS CATALOGUE. Before coming to the State Normal School, persons should in all cases submit credits by the dates indicated below, in order that they may make sure of admission to high-school courses, to college courses, or that the work submitted for credit will apply on the requirements for the certificate or diploma desired. The following paragraphs concerning admission should be read carefully:

Prospective students will find by a careful study of this catalogue that they will secure, in most cases, the information desired.

The confusion in which a new student often finds himself is due largely to the fact that he is unfamiliar with regulations and requirements.

CORRESPODENCE. Credentials and inquiries relating to admission and to certificate and diploma requirements should be addressed to the Registrar.

ACCREDITED AND APPROVED HIGH SCHOOLS.

The following is a list of the high schools accredited, or approved, for the year 1919-'20, the classification being based on the standards for accredited and approved high schools adopted by the State Board of Education:

ACCREDITED.

CLASS A.

Abilene.
Alma.
Anthony.
Arkansas City.
Ashland.
Atchison.
Augusta.
Baxter Springs.
Belleville.
Beloit.
Belle Plaine.
Bonner Springs.
Bucklin.
Burlington.
Caldwell.
Chanute.
Chapman.
(Dickinson Co.)
Cherokee.
(Crawford Co.)
Cherryvale.
Cimarron.
Clay Center.
(Clay Co.)
Clyde.
Coffeyville.
Colby.
(Thomas Co.)
Columbus.
(Cherokee Co.)
Concordia.
Cottonwood Falls.
(Chase Co.)
Dodge City.
Downs.
Effingham.
(Atchison Co.)
El Dorado.
Ellis.
Ellsworth.
Emporia.
Eureka.
Fort Scott.
Frankfort.
Fredonia.
Galena.
Garden City.
Garnett.
Girard.
Goodland.
(Sherman Co.)
Great Bend.
Greensburg.
(Kiowa Co.)
Halstead.
Harper.
Hays.
Herington.
Hiawatha.
Hoisington.
Holton.
Horton.
Humboldt.
Hutchinson.
Independence.
(Montgomery Co.)
Iola.
Junction City.
Kansas City.
Argentine.
Central.
Sumner.
Kingman.
Kinsley.
Kiowa.
La Crosse.
Larned.
Lawrence.
Leavenworth.
Lindsborg.
Lyons.
Manhattan.
Mankato.
Marion.
Marysville.
McPherson.
Medicine Lodge.
Minneapolis.
Mulvane.
Natoma.
Neodesha.
Newton.
Nickerson.
(Reno Co.)
Norton.
(Norton Co.)
Oberlin.
Olathe.
Osawatomie.
Osborne.
Ottawa.
Paola.
Parsons.
Peabody.
Pittsburg.
Phillipsburg.
Pratt.
Rosedale.
Russell.
Sabetha.
Salina.
Sedan.
Seneca.
Smith Center.
Stafford.
St. Francis.
St. John.
Syracuse.
Topeka.
Valley Falls.
Wa Keeney.
(Trego Co.)
Wamego.
Washington.
Wellington.
(Sumner Co.)
Wichita.
Winfield.
Yates Center.

CLASS B.

Alden.
Altamont.
(Labette Co.)
Alton.
Altoona.
Argonia.
Asherville.
Assaria.
Attica.
Axtell.
Baldwin.
Blue Rapids.
Burlingame.
Burr Oak.
Burrton.
Caney.
Cawker City.
Cedar Vale.
Clearwater.
Clifton.
Coldwater.
Colony.
Council Grove.
Covert.
Douglass.
Ellinwood.
Erie.
Eskridge.
Florence.
Formoso.
Fowler.
Gardner.
Garfield.
Glen Elder.
Goff.
Greenleaf.
Hartford.
Highland.
Hill City.
Hillsboro.
Howard.
Hoxie.
Hunter.
Jetmore.
(Hodgeman Co.)
Jewell.
La Harpe.
Lebanon.
Lewis.
Liberal.
Lincoln.
Logan.
Lovewell.
Lucas.
Lyndon.
Macksville.
Marquette.
Meade.
Moline.
Moran.
Mount Hope.
Mulberry.
Ness City.
Nortonville.
Oakland.
Onaga.
Osage City.
Oskaloosa.
Pawnee Rock.
Pleasanton.
Plainville.
Preston.
Protection.
Quenemo.
Quinter.
Ransom.
Rose Hill.
Rossville.
Scandia.
Scott City.
(Scott Co.)
Sedgwick.
Soldier.
Solomon.
South Haven.
Spearville.
Sterling.
Stockton.
Tonganoxie.
Tribune.
(Greeley Co.)
Troy.
Valley Center.
Waterville.
Wathena.
Waverly.
Wellsville.
Wetmore.
Wilson.

CLASS C.

Agenda.
Allen.
Almena.
Atwood.
(Rawlins Co.)
Beattie.
Belpre.
Bentley.
Blue Mound.
Bronson.
Brookville.
Burden.
Burns.
Bushton.
Canton.
Centralia.
Chase.
Cheney.
Claflin.
Coats.

Conway Springs.
Copeland.
Culver.
Cunningham.
Delphos.
Denison.
De Soto.
Dighton.
(Lane Co.)
Dorrance.
Dunlap.
Elwood.
Enterprise.
Eudora.
Everest.
Fall River.
Fairview.
Fellsburg.
Ford.
Frontenac.
Galesburg.
Glasco.
Greeley.
Grinnell.
Gypsum.
Harveyville.
Havensville.
Haviland.
Hoyt.
Hugoton.
(Stevens Co.)
Irving.
Ingalls.
Johnson.
(Stanton Co.)
Kensington.
Kincaid.
Kirwin.
La Cygne.
Lakin.
Langdon.
Lansing.
Lebo.
Lenora.
Leon.
Leoti.
(Wichita Co.)
Le Roy.
Linwood.
Little River.
Luray.
Madison.
Maize.
McDonald.
McLouth.
Melvern.
Meriden.
Minneola.
Montezuma.
Morganville.
Morrill.
Mound City.
Moundridge.
Mullinville.
Norcatur.
Norwich.
Oakley.
Oswego.
Oxford.
Ozawkie.
Partridge.
Perry.
Plevna.
Powhattan.
Randolph.
Rantoul.
Reading.
Republic City.
Riley.
Robinson.
Rozel.
Savonburg.
Severy.
Sharon.
Sharon Springs.
Silver Lake.
Simpson.
Spivey.
St. John.
(Antrim.)
St. Marys.
Summerfield.
Sylvan Grove.
Sylvia.
Thayer.
Topeka.
(Washburn Rural.)
Tescott.
Toronto.
Utica.
Wakefield.
Walton.
Walnut.
Webster.
Westphalia.
White Cloud.
White City.
White Water.
Whiting.
Wilmore.
Williamsburg.
Winona.

CLASS D.

Abbyville.
Ada.
Adams.
Admire.
Agra.
Alexander.
Alta Vista.
Americus.
Andover.
Anthony.
(Spring Twp.)
Arcadia.
Arlington.
Arma.
Athens.
Athol.
Atlanta.
Auburn.
Bazine.
Bancroft.
Barclay.
Barnard.
Barnes.
Basehor.
Bavaria.
Belvue.
Bendena.
Benedict.
Bennington.
Benton.
Bern.
Berryton.
Beverly.
Bird City.
Brownell.
Bucyrus.
Buffalo.
Buhler.
Bunkerhill.
Bushong.
Byers.
Carbondale.
Carlyle.
Cassoday.
Cedar.
Chetopa.
Circleville.
Clayton.
Cleburne.
Climax.
Codell.
Corning.
Courtland.
Cuba.
Cullison.
Deerfield.
Delia.
Denton.
Derby.
Dexter.
Easton.
Edna.
Edwardsville.
Elk City.
Elkhart.
Elmdale.
Elsmore.
Englewood.
Esbon.
Falun.
Fulton.
Galva.
Garden Plain.
Garrison.
Gaylord.
Geneseo.
Goddard.
Grenola.
Gridley.
Haddam.
Hamilton.
Hamlin.
Hanover.
Hardtner.
Harlan.
Haven.
Hazelton.
Herndon.
Holcomb.
Hope.
Inman.
Ionia.
Isabel.
Jamestown.
Jarbalo.
Kanopolis.
Kansas City.
(Wilson.)
Keats.
Kipp.
Lane.
Latham.
Lecompton.
Leonardville.
Lincolnville.
Linn.
Longford.
Louisburg.
Louisville.
Long Island.
Longton.
Lost Springs.
Mahaska.
Maplehill.
Mayetta.
McCracken.
McCune.
Merriam.
Michigan Valley.
Milan.
Mildred.
Milton.
Miltonvale.
Monument.
Morehead.
Morland.
Mound Valley.
Munden.
Narka.
Neal.
Neosho Falls.
Neosho Rapids.
Netawaka.
New Ulysses.
(Grant Co.)
Norway.
Offerle.
Oketo.
Olsburg.
Oneida.
Overbrook.
Overland Park.
Padonia.
Palco.
Paradise.
Parkerville.
Paxico.
Piedmont.
Plains.
Pomona.
Portis.
Potter.
Potwin.
Pretty Prairie.
Princeton.
Ramona.
Randall.
Redfield.
Reece.
Reserve.
Richmond.
Rock Creek.
Rosalia.
Roxbury.
Russell Springs.
Saffordville.
Santa Fe.
(Haskell Co.)
Sawyer.
Scottsville.
Scranton.
Severance.
Sparks.
Spring Hill.
Stark.
St. George.
Stilwell.
Sublette.
Tampa.
Topeka.
(Highland Park.)
Towanda.
Trousdale.
Turner.
Turon.
Udall.
Uniontown.
Vermillion.
Vernon.
Vesper.
Vinland.
Viola.
Virgil.
Waldo.
Welda.
Westmoreland.
Wheaton.
Willis.
Wilsey.
Winchester.
Windom.
Woodbine.
Woodston.

THREE-YEAR COURSE.

Castleton.	Durham.	Halifax.	St. Paul.
Cambridge.	Edgerton.	Kackley.	(St. Francis.)
Delavan.	Elgin.		West Mineral.

TWO-YEAR COURSE.

Appanoose.	Dwight.	Kanorado.	Pierceville.
Arnold.	Elk Falls.	Kismet.	Prescott.
Belmont.	Elmo.	Lake City.	Prairie View.
Bloom.	Fostoria.	Liberty.	Raymond.
Brewster.	Fravel.	Morrowville.	South Hutchinson.
Bridgeport.	Girard.	Moscow.	Scammon.
Carlton.	(Fairview.)	Nashville.	Talmage.
Cedar Point.	Havana.	Navarre.	Topeka.
Chautauqua.	Hewins.	Niles.	(Shorey.)
Coolidge.	Hollenberg.	Olivet.	Traer.
Colyer.	Holyrood.	Palmer.	Webber.
Dresden.	Jennings.	Penalosa.	

ONE-YEAR COURSE.

Pearl Zeandale Zenda

PRIVATE INSTITUTIONS ACCREDITED BUT NOT CLASSIFIED.

Atchison	Mt. St. Scholastica Academy.
Aurora	Aurora High School.
Concordia	Nazareth Academy.
Dodge City	St. Mary of the Plains Academy.
Emporia	Normal High School.
Harper	Harper Academy.
Haviland	Haviland Academy.
Hesston	Hesston Academy.
Hillsboro	Tabor College Academy.
Kansas City	Catholic High School.
Lawrence	Oread High School.
Leavenworth	Catholic High School.
Leavenworth	S. Mary's Academy.
Lindsborg	Bethany College Academy.
Manhattan	Sacred Heart Academy.
McPherson	Central College Academy.
McPherson	McPherson College Academy.
Miltonvale	Wesleyan Academy.
Newton	Bethel College Academy.
Northbranch	Northbranch Academy.
Ottawa	University Academy.
Paola	Ursaline Academy.
Quindaro	Western Univ. Academy.
Salina	St. John's Military Academy.
Salina	Sacred Heart Academy.
Seneca	St. Peter & Paul's.
St. Marys	Immaculate Conception High School.
Topeka	Catholic High School.
Topeka	College of the Sisters of Bethany.
Wichita	Cathedral High School.
Wichita	Friends University Academy.
Wichita	Mt. Carmel Academy.

ADMISSION TO HIGH SCHOOL.

Any one who has completed the work of the common schools is admitted to the Normal Training High School.

TRANSCRIPT OF RECORD. Any one who has any high-school credits should ask the principal to send a transcript of the record, which should show the name of each course taken, the number of recitations or laboratory hours per week, the length of these hours, the number of weeks given to each course, the final grade, and the time spent. *Monthly or yearly report cards or diplomas will not be accepted.* Blanks for transcribing records will be furnished by the Registrar, to whom transcripts of record should be sent as early as May 15 if the student is planning to enter the following Summer Term, and by August 15 if the student is planning to enter in September.

High-school Credit. The unit is the measaure of high-school work and credit. A high-school course that continues through the school year of thirty-six weeks, with five classroom periods of fifty minutes, is one unit of work and gives one unit of credit. In laboratory courses the number of weeks and the period is the same as in other courses, with three classroom periods and two double laboratory periods per week.

ADMISSION TO COLLEGE COURSES.

1. Admission by Certificate of Graduation.

The requirements for admission of graduates of accredited high schools in Kansas to the Kansas State Normal School have been fixed by legislative enactment, which by section 8875, General Statutes of 1915, provides that:

"Any person who shall complete a four-year course of study in any high school accredited by the State Board of Education shall be entitled to admission to the freshman class of the State University, the State Agricultural College or any of the State Normal Schools on presenting a statement containing a transcript of his high-school record signed by the principal of the school and certifying that such person has satisfactorily completed said course of study."

Transcript of Record. Persons seeking admission to college courses should ask the principal of the high-school attended to send to the Registrar, on blanks furnished for this purpose, a transcript of their high-school record, which must show the name of each course, the number of weeks given it, the number of recitation or laboratory hours per week, the length of these hours, the final grade, the duration of time spent in the school attended, and the date of graduation. This information should be sent as early as May 15 if the person desires to enter in the Summer Term, and by August 15 if the person desires to enter in September. A checking is made of the work submitted, and an admission card is sent to the student, when time permits, enabling him to know, in advance of entrance, his classification and standing.

The principal should be asked to make use of the uniform blank in the transfer of credits. The Registrar will furnish additional blanks. *Monthly or yearly report cards or diplomas are not acceptable.*

Applicants for admission to college courses who fail to submit credentials in time for checking before the time for registration will be subject to delay, such persons being admitted only as *visitors* until acceptable credentials have been submitted.

It is always of advantage to any student, as well as to his principal, if a transcript of the student's record is made up and mailed before the close of the school year. It is difficult, if not impossible, for the principal who is away on his vacation to comply with a request for this information.

College Credit. The *semester hour* is the measure of college work and credit. A college course that continues through the semester of eighteen weeks, with one period of fifty minutes of classroom work, is one semester hour of work and gives one semester hour of credit. Laboratory courses require twice as much time as is required in classroom work.

College credit for correspondence study and either form of extension study will be granted only to students who have submitted sufficient work from an accredited high school or from examination to meet college entrance requirements and who have been admitted to college work. Grades of other students will be filed merely and not entered on the record. They will be recorded or transcribed when this requirement is satisfied. Not more than fifty per cent of the requirement for any certificate or diploma may be satisfied with credits earned in this way.

NONRESIDENTS.

Any applicant for admission who is a graduate of a high school in another state will be admitted to freshman courses if the high school is accredited by the state university or by the state department of education of that state.

2. ADMISSION BY EXAMINATION.

Persons who cannot submit fifteen acceptable units of accredited high-school work are required to sustain creditable examinations in sufficient work selected from the following courses. Courses submitted for college entrance indicated must include courses as required and a sufficient number of other courses that the total credit may be fifteen approved units.

Dates for these examinations are indicated in the school calendar. Persons interested should inquire of the Registrar.

ENGLISH:

May be submitted: Composition and Rhetoric, and Literature, 4 units.
Required: Composition and Rhetoric, and Literature, 3 units.

MATHEMATICS:

May be submitted: Algebra, 1½ units; Plane Geometry, 1 unit; Solid Geometry, ½ unit; Trigonometry, ½ unit; Arithmetic, ½ or 1 unit.
Required: Algebra, 1 unit; Geometry, 1 unit.

FOREIGN LANGUAGES:

May be submitted: Latin, 1 or more units; German, 1 or more units; Spanish, 1 or more units; French, 1 or more units.
Required: No requirement, but see General Catalogue for requirements for degree of Bachelor of Science in Education.

PHYSICAL SCIENCE:

May be submitted: Physics, 1 unit; Chemistry, 1 unit; Physical Geography, ½ or 1 unit.
Required: 1 unit in one science.

BIOLOGICAL SCIENCE:

May be submitted: Botany, 1 unit; Agriculture, 1 unit; General Biology, 1 unit; Physiology, ½ or 1 unit.
Required: 1 unit in one science.

HISTORY AND GOVERNMENT:

May be submitted: Greek and Roman History, 1 unit; Medieval and Modern History, 1 unit; English History, 1 unit; American History, 1 unit; Civics, ½ or 1 unit; Economics, ½ or 1 unit.
Required: History, 1 unit.

MISCELLANEOUS:

May be submitted: Psychology, ½ or 1 unit; Methods of Teaching and School Management, ½ or 1 unit; Bookkeeping, 1 to 2 units; Commercial Law, 1 unit; Commercial Geography, ½ unit; Manual Training, 1 to 2 units; Drawing, ½ or 1 unit; Domestic Science or Art, 1 unit; Music, 1 unit; Elementary Science, ½ or 1 unit; Shorthand, 1 to 2 units; Typewriting, 1 to 2 units.

3. ADMISSION AS AN UNCLASSIFIED STUDENT.

Persons who are not candidates for a certificate or diploma and who have the maturity and experience and approval indicated, although unable to meet college entrance requirements, are admitted to college courses. The following regulations should be noted:

1. All applicants for this kind of admission must be at least twenty-one years of age and have as much as three years of successful teaching experience.
2. The written approval of the head of the department in which college work is desired must be presented to the Registrar, who will furnish an application card for this purpose.
3. Unclassified students are subject to the usual requirements governing amount of work, prerequisite courses, hours of preparation, hours of classroom and laboratory work, examinations and physical training. Unclassified students who prove unable to carry satisfactorily the work to which they have been admitted will be required to take work of lower grade.
4. By virtue of his classification, an unclassified student is not eligible for any certificate or diploma. He may ultimately become a candidate, however, by completing the full amount of work for college entrance.
5. The admission of an unclassified student is only for one semester (or term). Readmission will be refused if creditable work has not been done.

4. ADMISSION TO ADVANCED STANDING.

The regulations governing admission to advanced standing are administered by a committee which examines into the merits of each case presented to it. Credit given depends on the individual case. These regulations are as follows:

1. Applications for advanced standing must be made at the time of entrance.
2. A transcript of record must be submitted, which should indicate the name of each course, the number of weeks given to it, the number of recitation or laboratory hours per week, the length of these hours, the final grades, the duration of time spent in the institution attended, the degree conferred if any, with date, and the status of the student.
3. Advanced standing will not be given for work done during a four-year course of study in high school, academy or other preparatory school. College credit for work done in preparatory schools will be given upon examination only, and only for work done after graduation.
4. The maximum of advanced standing for junior college course of study is sixty semester hours. Such work will be rated only as junior college work. The maximum of advanced standing for work done during a four-year college course is ninety hours, except in cases where the candidate elects to meet the residence requirement in the three summer terms for a degree, in which case the maximum advanced standing is ninety-six hours.
5. No credit will be allowed for irregular educational work, like teaching in institutes, nor for high grades on certificates, nor shall suc-

cessful educational experience constitute a presumptive claim for advanced standing.

6. Examinations for advanced standing may be given to applicants who have had systematic courses in an approved college, but who cannot furnish satisfactory credentials. The Committee of Advanced Standing will determine the total credit so obtained and the subjects upon which the examinations will be given. No student will be allowed to take an examination for advanced standing until he has secured a properly certified permit from the chairman of this committee. No examination will be given to students in subjects in which they have received conditions or failures in other colleges.

7. All advanced standing credit is provisional and may be withdrawn if the student's record does not justify the credit given. The credit given does not become permanent until the student has satisfactorily completed at least a semester's work.

All inquiries concerning advanced standing should be addressed to the chairman of the Advanced Standing Committee.

REGISTRATION.

STUDENT ADVISERS. Each high-school and college student comes under the direct advisory control of some member of the Faculty who assists him in outlining his work.

TIME FOR REGISTRATION. Students in attendance for the second semester and who intend to remain in school for the Summer Term of 1921 will register on May 28. New students will register June 1. A fee of $1 will be charged for late registration, unless valid reason can be shown for not registering at time indicated.

Students who enter in September, 1921, will register Monday, September 5. (See under "Admission" concerning credits.) A fee of $1 for late registration will be imposed in cases where registration is not completed within the time specified.

PLACE OF REGISTRATION. The work of registration of students is done in the gymnasium, the east half of the second floor being given to the work of high-school students; the west half of the second floor to college students.

ROUTINE OF REGISTRATION. The following steps in the process of registration of students should be carefully noted:

These directions, which are found also on the preliminary registration card and in the printed schedule, should be followed strictly:

1. *All high-school students* should consult the Principal concerning courses to be taken.

2. *New college students* must report first at the Registrar's office, 122 Plumb Memorial Hall, and secure *Admission Card.* (See under "Admission" concerning credits.) This card should be presented to the Committee on Admissions and Classification. If credits have not been presented earlier they should be presented to this committee at this time. (See under "Admission" concerning credits.)

3. All *former students* should present to adviser *course book* showing an official record of work done. This book should be asked for at the Registrar's office several days before the time set for registration. An adviser is unable to give proper direction to a student's work without such information. Students should not assume that they have credit for earlier work. Disappointment and loss of time are saved by attention to this suggestion.

4. For each course taken ask the head of the department for an *assignment card.*
5. Under adviser's direction, make up program on *preliminary registration card.*
6. Secure physical training-practice assignment.
7. Ask for adviser's signature to program as made up on *preliminary card.*
8. Copy program on full *registration card.*
9. All women students must confer with the Dean of Women before payment of fees.
10. Pay fees to Bursar.
11. The payment of fees completes registration.
12. All changes in any student's program must be made within one week after the opening date of the semester (term). Consult the Registrar's office. Changes to be official must be made in this way.

PHYSICAL-TRAINING PRACTICE is required of all high-school students and of college freshmen and sophomores unless excused by the President. There are no specific requirements except of students working for the special certificate in physical training and those majoring in physical training.

LIBRARY LECTURES are required of all students in the freshman year. Conferences in introduction to Kellogg Library, given once per week for six weeks at the beginning of each semester. Inquire of the Reference Librarian at Kellogg Library.

CHANGES IN REGISTRATION. A student having registered is a member of such classes until changes are properly made. Credit will not be recorded except in accordance with the student's registration.

Any student who wishes to change his registration must present to the Registrar within *one week* after the opening of the semester, or term, his student card, no erasure, change or addition having been made in his program of studies as first made up.

High-school students desiring a change in registration must first present this card to the Principal and then to the Registrar.

Students are not permitted to take up other work except in the way described.

AMOUNT OF WORK. High-school students are not permitted to register in more than four courses, or in less than two courses. With the permission of the Principal mature persons with teaching experience may carry five courses.

College students are not permitted to register for work giving less than eight hours credit, nor including credit for one-half hour of physical-training practice, nor without permission of the Committee on Extra Hours to register for work giving more than sixteen hours credit, not including credit for one-half hour of physical-training practice. Application blanks for extra hours may be had of the chairman of the Extra Hours Committee. They should be filed with the committee within the time indicated for registration.

Students working for board and room, or either, take less than regular work.

VISITORS. Occasional visitors in classroom or laboratory work are, of course, welcome, but all persons who wish to be visitors any length of

time beyond a few days must register, whether credit is desired or not.

It is not permitted students registered as "visitor" to change the registration for "credit" after the first week of the semester (or term), and then only if the rules governing the amount of work permit.

EMPORIA ADDRESS. Students should indicate their Emporia address and telephone number on registration card. If these are not known at the time of entrance, they should be reported promptly after the student is located. Failure to have this information makes impossible the delivery of letters and telegrams, and students' relatives and friends have often been unable to find them.

Letters that cannot be delivered are returned to the post office, and then sent to the dead letter office. Ask at the office of the Registrar for a card for sending this information if it is not known at the time of registration.

IRREGULAR STUDENTS. The student is irregular who takes more than one course in any department, except as it can be shown that such choice of courses is conforming to the course of study. Students who are irregular pay fees as indicated below.

FEES.

After consideration, and in view of the greatly increased cost of the work of our educational institutions, it is hereby voted by the State Board of Administration to fix this standard of fees in the three State Normal Schools as indicated:

TIME OF PAYMENT. All fees must be paid at the time of registration, or an arrangement made with the Bursar for payment before any person is entitled to admission to classes or to other student privileges.

REFUND. Fees will not be refunded except in case of withdrawal within one week after the time of entrance. No refund of fees will be made unless students secure authorized withdrawal before leaving school. (See below under the head "Laboratory fee" and of "Withdrawal.")

LATE REGISTRATION. A considerable amount of extra work and a great deal of confusion is caused by the neglect of students to register at the time set for that purpose, and a fee of $1 will be charged those who do not register at the provided time.

STUDENT ACTIVITY. A fee of $2.50 is imposed on each student in Summer School and $4 per semester for student activities. This admits the student to all athletic contests, all numbers on the lecture course, moving pictures, etc. It also gives the privilege of playing tennis and other sports.

INCIDENTAL. Each student will pay a fee of $7 for the Summer School and for each semester for general materials and reagents used in class work and for the wear and tear on the equipment in the laboratories, libraries, gymnasiums, etc.

LABORATORY. Students taking work in the sciences, manual training, home economics, and other courses where laboratory work is required pay for the materials used. In case of withdrawal of students

the unused portion of this fee will be refunded by the head of the department the amount due the student.

HOSPITAL. Each school year, or fraction thereof, all students in college and high-school work pay $1 per year, to be used as a hospital fund.

NONRESIDENT. Each student who is not a resident of the state of Kansas shall pay, in addition to other fees, a fee of $10 for the Summer Session, and $15 for each semester.

TYPEWRITER. A fee of $4 will be charged for the use of the typewriter by students in this subject.

IRREGULAR. Irregular in one course, $4. (See paragraph, *Irregular Students.*)

EXAMINATION. Students pay the regular county examination fee of $1 for the privilege of taking the county examination under supervision of the State Normal School. Other persons desiring to take this examination pay student fees also.

CORRESPONDENCE WORK. Students taking work by correspondence pay fees indicated in special correspondence catalogue.

MUSIC. See statement of this department.

SUSPENSION.

High-school students who fail in *two courses* (*one course* in the Summer Term) and college students who fail in *six hours* work (*three hours* in the Summer Term) are suspended for the next semester, or term. Suspended students may be reinstated only by the President.

FINAL EXAMINATIONS.

Semester and term *final examinations* are given as follows:

1. In all courses, except physical-training practice.
2. Seniors graduating at the close of the second semester shall be excused from the examinations of that semester, provided their work is satisfactory.

ABSENCES. 1. For every "cut" there shall be deducted from the student's total credit, one-sixteenth of a semester hour.

2. An absence occasioned by any school activity, serious illness, quarantine and death or serious illness in the student's immediate family shall not be considered as a "cut."

3. An absence during the two days immediately preceding or following a vacation, and not coming under section 2, shall count as a "double cut."

4. Three cases of tardiness shall be construed as one "cut."

WITHDRAWAL.

Any student who wishes to withdraw from school must secure a *card of withdrawal* from the Registrar. A mark of *failure* is entered upon the record of any student who leaves school without having secured *authorized* withdrawal.

STATEMENT OF ATTENDANCE.

A statement of attendance is often required of students by superintendents or boards of education. Any person desiring such statement should apply at the Registrar's office before the date of leaving

school. It is difficult, if not impossible, to determine after the close of the semester the exact number of weeks of attendance. (See Withdrawal.)

TRANSCRIPT OF RECORD.

A transcript of record is required by students who transfer to another school, and in many cases by superintendents, principals, boards of education, and state departments of education. It is usually required that such information reach those desiring it directly from the school attended.

EXAMINATIONS.

COLLEGE ENTRANCE EXAMINATIONS are conducted twice yearly, in May and in September. Such an examination is required of all persons who are unable to submit fifteen acceptable units of accredited high-school work. Persons interested in these examinations should address the Registrar.

EXAMINATIONS FOR HIGH-SCHOOL CREDIT are given in cases of merit. Persons interested should consult the Registrar.

SEMESTER AND TERM FINAL EXAMINATIONS are required in all courses except physical-training practice courses at the close of each session.

COUNTY TEACHERS' EXAMINATIONS are conducted at the State Normal School. The dates for the June and July examinations are announced. Examinations in October and January are given the last Friday and Saturday of these months.

Students, upon the payment of the fee of one dollar, may take the examination for county certificates, to be conducted under the supervision of the State Normal School. Manuscripts are sent to any county designated by the applicant, there to be examined by the county board of examiners, who will issue certificates to the successful applicants under the same conditions as if the examination had been conducted under their supervision.

BOARD AND ROOMS.

Board in clubs costs from $5 to $6.50 per week. Those who board themselves reduce the cost somewhat. Coöperative boarding clubs, $4.50 per week. A cafeteria operated by the institution is located on the campus. Students may secure board at nominal prices.

Rooms, $8 to $20 per month, for two students in room, according to size and convenience.

It is always more satisfactory to see rooms and to defer making arrangements concerning the transfer of baggage until a satisfactory room has been found. The institution cannot assume the responsibility of reserving rooms, but lists of approved rooms will be sent.

A Faculty committee has direct supervision of the rooming-house facilities. All rooms offered for student use are carefully inspected, and a record made of the conveniences offered, and also of the hygienic conditions, both inside and outside the house, which might have a bearing upon the student's health. The location and the price asked for each room are carefully tabulated, and lists of approved rooms are placed at the disposal of all students immediately on their arrival in Emporia.

The list of girls' rooming houses may be found in the office of the Dean of Women, and the list of boys' rooming houses will be found in the Y M. C. A. office.

A standing rule of the Normal School requires boys and girls to room in separate houses. Rooms must not be selected which are not found on these approved lists, as the committee has full power to require a student to move from a location which does not come up to every reasonable requirement of the School. This committee also occasionally visits the boarding clubs in order that they may keep in touch with the general conditions under which food is furnished to the student. Students should report all complaints in regard to accommodations, insanitary conditions, or contagious disease. Cases of contagious diseases should be reported to the nurse at the Emergency Hospital. Complaints of the girls as to housing conditions should be registered with the Dean of Women, and of the men with the Dean of the School.

Students should plan to be in Emporia at least two days before school opens, in order to get the best accommodations. Students desiring to do some work during the school year should write to the Y. W. C. A. or the Y. M. C. A. several days before school opens, stating the kind of work desired.

SUPERVISION OF STUDENT LIFE.

The Dean of Women has special charge of the comfort, health, scholarship and social relations of the young women of the institution.

There are no halls of residence at this Normal School, but suitable homes are provided in private families. These rooms are inspected, and although responsibility for them cannot be assumed by the institution, they are placed on an approved list. By a rule of the institution, women students may room only in such houses as accommodate women exclusively, and which provide a parlor for the reception of visitors. Women students may room in other houses only by the permission of the Dean of Women.

A change in rooming place must not be made by any young woman without permission of the Dean of Women.

All social events must be registered in the Dean's office. Excuses for absences must be presented to her. Women students leaving town must report the same to her. Should a projected trip involve absence from class, permission must be obtained from her. Correspondence with inquiring parents and guardians is desired.

Freshman lectures for girls are given by the Dean of Women once a week during each semester. These lectures present matters of information useful to all just entering college. All freshman girls and all girls in this School for the first time are required to attend these lectures for one semester of their first year in this School. No credit is given.

OLD COURSES OF STUDY.

The following statement of equivalents is made for the benefit of graduates of courses of study formerly given. Those wishing to continue their work will find here their standing in terms of semester hours

of credit. The requirements for the several certificates now given, as well as for the degree of bachelor of science in education, are indicated in their respective places. These are taken at full value in meeting present requirements.

They have, in addition to sufficient work for college entrance, credit value as follows:

Elementary, 32 hours.
English, 64 hours.
English-German, 64 hours.
Latin, 64 hours.

EMPLOYMENT FOR STUDENTS.

Students who desire to earn all or part of their expenses while in school may be able to secure employment of different kinds through the offices of the Y. M. C. A. secretary and the Dean of Women, who are in charge of the Normal Employment Bureau.

Men students receive from forty to fifty cents per hour for the following kinds of work: Janitor service in buildings and on grounds of the Normal School, making gardens, cleaning and improving yards, caring for live stock, house cleaning, clerking, etc.

Women students receive from thirty to forty cents per hour for the following kinds of service: General housework, care of children, sewing, clerking, ironing, etc.

Full board or board and room for both men and women can often be secured in return for steward service at student boarding clubs, waiting on table, washing dishes, cleaning, etc., or for the equivalent of from three to four hours per day in private families.

In many cases persons desiring student help require an interview with students. It is well for those desiring employment to come to Emporia.

For regulation concerning the amount of work that those who do outside work may take, see page 26.

HOSPITAL FUND.

This fund is provided by the fee of one dollar per year paid by all students in college and high-school courses. It is used to pay salary of the head nurse, for such emergency hospital supplies as are necessary, and for unavoidable expenses required for proper care of the sick. The hospital fund has met with generous approval and has contributed to better general health and to the comfort of the students.

The hospital fund is administered subject to the following rules:

1. That the responsibility of the nurse extends to the advising of students in cases of mild illness and to the care of more serious cases until other arrangements can be made.
2. That the building be called the "Normal Emergency Hospital," and the fund be designed "Emergency Hospital Fund."
3. That students will be taken from their rooms to the hospital only in cases of emergency.
4. That patients be cared for in the Emergency Hospital no longer than the time necessary to communicate with their parents or friends and arrangements can be made for their safe removal.

5. That patients cared for in the hospital pay day charges at the rate of seventy-five cents a day. This will cover food and simple remedies, but includes neither doctor's fees nor prescriptions.

6. That patients in the Emergency Hospital may call the physician they prefer, and will be under his care and that of the resident nurse until removed.

7. That cases of contagious disease be not taken into the Emergency Hospital.

8. That a housekeeper be employed at the Emergency Hospital to care for the house and to furnish meals.

9. That the nurse may have certain hours within which she will make calls.

DEPARTMENT CLUBS.

The Mathematics Club is an organization for those students whose major subject is mathematics, and who are especially interested in the current literature regarding the history and the teaching of mathematics. Its membership is restricted to those having full collegiate standing. The meetings are held the second Wednesday evening of each month.

The Cercle Francais is a club open to all students of French in the college and others specially interested in French. It meets the second and fourth Wednesdays in each month of the regular school year. Its objects are an acquaintance with France and the French people, additional to what is given in the classroom, reports on themes of interest, opportunity for free conversation in French by means of games, etc., and the experience of belonging to and working in a club such as is needed in high-school work.

The History and Government Club is organized for those students who are interested particularly in the study of history and government. Its aim is to draw the students through this special interest into closer social and intellectual union. The study of some historical theme is pursued throughout the year, the students themselves taking a large part in the presentation and discussion of the subject. The club meets on the first and third Tuesdays of each month.

The Physics Club meets monthly. From an enrollment of a dozen at its initiation it has grown until the regular attendance ranges from forty to fifty members. The ideals of the club are to arouse greater interest in physics, to promote coöperation and mutual assistance to those who are working in this department, and to encourage deeper study of many of the most common and interesting phenomena and principles.

The Latin Club is conducted for the benefit of students enrolled in the Latin department and others who may be interested in the study or teaching of Latin. It meets on the second and fourth Wednesdays of each month. The programs consist of papers, reports, dialogues, scenes from standard Latin authors, and short plays given by the students. Frequent addresses and lantern talks are given by the instructors and other members of the Faculty.

The Psychology Club is composed of members of the Faculty, advanced students and townspeople. The only qualification required for membership is an interest in psychology. The club meets twice a month.

STUDENT SOCIETIES AND CLUBS.

The Young Men's Christian Association has a secretary whose full time is devoted to the service of the men of the Normal. A handbook containing matters of interest and information on all school activities is printed every year, and will be mailed on request to any one who desires it. The information bureau, the coöperative employment plan, the socials, and addresses on things of vital interest to every man, make the Y. M. C. A. a valuable asset to student life. Questions regarding room, board, self help, etc., will be answered so far as possible, and some member of the association will meet any prospective student who will inform the secretary when he expects to arrive in Emporia. Address correspondence to the Secretary of the Normal Y. M. C. A.

The Young Women's Christian Association is an organization of the young women of the School. It is one of 660 such organizations for women students in the United States. Its purpose is not only to train young women while in school in methods of service by helping one another, but by this to fit them for greater usefulness when they leave school. The work is carried on by committees under the direction of a cabinet chosen from the membership, and the general secretary, who is employed for full time. Some of the important features of the work are the rest room, a bureau through which many girls obtain employment, meeting new students at the trains and helping them to become acquainted through social occasions and calls, Bible study and mission study, vesper services, and calling on sick girls. Miss Grace Irwin, the general secretary, will be very glad to answer any correspondence in regard to work, plans, or anything that will be helpful to a new student.

Story-telling Club. The primary and kindergarten girls, feeling a need of practical work in story-telling and dramatization, have organized a club for this purpose, known as the Story-telling Club. They meet every two weeks and tell stories suggested by the seasons. The programs are occasionally made more enjoyable by the use of music and children's games, while now and then an entire social evening is given.

The Dramatic Club is composed of those who are chosen in the casts of the plays which the college department presents during the year. The selection of the cast is made by the head of the Department of Public Speaking and Expression.

Pi Kappa Delta is a national honorary fraternity composed of those who have represented the Normal School in debate or oratory. It was organized in the spring of 1916, with a charter membership of sixteen. The purpose of the organization is to further the interests of all forms of public address.

The Normal High-school Masques is a dramatic club of the Normal High School. It has for its membership those who are interested in amateur dramatics. They present one full evening play and several short plays each year.

THE ALICE FREEMAN PALMER SOCIETY is a literary society composed of thirty girls chosen from classes above the freshman class. The society meets weekly, on Saturday, with an occasional social meeting.

THE OMEGA SOCIETY is the oldest girls' society in the School. It was organized by a group of girls desiring special training in literary research and debate. During the years since its organization the society has stood for the best of all school activities, and has swerved from its original purpose only in so far as debate is no longer emphasized. Aside from the literary and educational value of the society, many of the social activities of the School center here.

THE NEWMAN CLUB is an organization of Catholic students of the School, formed for purely social purposes. With the organization the purpose was extended to include also the study of some subject of especial interest to the members. The subject chosen for the current year is the history of church development. The officers are a president and secretary, and membership is open to any student in school who may wish to join the club.

THE GIRLS' PHYSICAL TRAINING CLUB is an organization open to all students majoring or minoring in the Physical Training department. The purpose of the club is to further the study of and promote the interest in physical education, to give the girls higher and broader ideals of their work, and to further their social activities. The club promises to be a real, live force in the school.

THE GIRLS' ATHLETIC ASSOCIATION is the only organization open to every girl in school. It was organized to promote girls' athletics by encouraging sports and gymnastics, thus drawing the students through this special interest into closer social union.

THE K CLUB. This club is composed of men who have won the honor "K" in athletics. Its purpose is to better the athletic interests of the school and attract men to the school in a legitimate way.

THE TREBLE CLEF CLUB is a double quartet of ladies' voices picked from the best in the School of Music, preference being given, when possible, to students of public-school music. The purpose of the club is the study of part songs and their artistic presentation. The instructor is Miss Strouse.

THE COLLEGE GIRLS' GLEE CLUB is open to all college girls whether registered in the Music Department or not. Two periods a week are devoted to the practice of two-, three-, and four-part choruses, chosen with the object of acquainting the girls with material suitable for use later in their own work as teachers. Public performances are given from time to time throughout the school year.

THE CHORUS consists of 150 members. The students enrolled receive college credit for their work. Prof. F. A. Beach is conductor. The organization had several social gatherings in the year.

THE ORCHESTRA has full instrumentation in the forty instruments played by students of the college department and a few Emporia people. The students enrolled in orchestra receive college credit for the work.

The annual concert given in March is directed by Mr. George Keenan, the instructor in stringed instruments. The orchestra accompanies the chorus and the opera work of the school, plays, chapel and many social functions during the year.

A HIGH-SCHOOL ORCHESTRA has been organized for the past three years and this year a model school orchestra has been organized. Both of these orchestras play at the different school events.

THE NORMAL BAND contains thirty instruments played by students who receive regular college credit for their work. The band plays at all athletic events and several social events during the year. The band gave its annual concert in Albert Taylor Hall, under the direction of Mr. M. C. Grady, teacher of wind instruments.

THE HIGH-SCHOOL GLEE CLUB consists of sixteen girls and sixteen boys. The club sang at chapel and at several social events during the year.

THE K. S. N. GLEE CLUB is composed of men who are interested in part singing. Members are chosen strictly on the competitive basis. The home concert is given annually in Albert Taylor Hall. The program consists of male choruses, quartets and solos, with a second part of an entertaining dramatic character.

ZETA KAPPA PSI, the national forensic sorority for girls, was organized early in 1921 with a charter membership of eleven. Only those who have represented the school in intercollegiate debate or oratory are eligible to membership. The purpose of Zeta Kappi Psi is to stimulate interest in the forensic arts among the women of the school.

KELLOGG LIBRARY.

The Kellogg Library Building is described on another page, in connection with "Buildings and Grounds."

Kellogg Library has 49,000 classified and catalogued volumes, 3,600 bound and catalogued pamphlets, and 17,500 unbound classified pamphlets. All material in the library is available, either through classification and filing or through the catalogue. The annual accessions average 3,000 volumes. More than 325 periodicals of educational and general interest are received and preserved. Kansas county and city newspapers are received regularly and are available to students. The library is open for use 75 hours each week; the average hourly attendance of readers is 100. The staff consists of eight trained library workers.

Some special features of Kellogg Library are:

REFERENCE DEPARTMENT. An unusually strong equipment of up-to-date book tools—keys to all other books. In vertical file, instantly available by topic, are thousand of newspaper and magazine clippings, affording material not elsewhere available. Also in vertical file are reading and reference lists on several thousand topics, suggesting best sources of information. Government documents and pamphlets are systematically filed, indexed, and available. Education documents, state and city reports and courses of study are received from all parts of the country, listed and classified. The files of bound periodicals in the magazine stack are unusually comprehensive.

School Department. This is a model public-school library in selection, equipment, and atmosphere. It occupies three rooms on the first floor of the Kellogg Library. It has its own librarian and assistants, its own catalogue, and more than three thousand recommended books. Its collection of several thousand mounted pictures, filed by topics in vertical file, its post-card collection and its lantern-slide collection are in constant use. Its facilities are eagerly used by pupils of the Elementary Training School, practice and supervision teachers, and visiting teachers and parents.

Extension Service. Kellogg Library began its extension service in January, 1913. Books, pamphlets and clippings are sent by parcel post to responsible parties, for school debates, orations and essays; for papers and addresses by teachers and school officers; for papers by club women, and for correspondence-study courses conducted by the School. These loans average about 1,500 packages per year. Research work on important topics is done and information copied and sent by mail. Many questions on library organization are answered, and the librarian and assistants make addresses or visit libraries for advisory purposes.

EXTENSION DIVISION.

All phases of extension work done by the Kansas State Normal are centralized in the Extension Division. The division consists of the following departments:

APPOINTMENT BUREAU.

This Bureau is managed jointly by the institution and the Alumni Association through a board of seven members. The registration in the bureau is twenty-two hundred, and from this number candidates for every line of school work can be selected. Those enrolled are carefully catalogued and classified, so that recommendations may be quickly made. Information concerning candidates is in every case to be returned to the Bureau. The Appointment Bureau insures more certain placing of teachers at graduation and more rapid advancement of those in the field. It provides a systematic method for getting school boards and teachers together. It keeps on file complete and accurate reports as to the success of its teachers. It sends out teachers almost every week in the year.

CORRESPONDENCE-STUDY DEPARTMENT.

The State Normal School is doing a constantly increasing amount of work in correspondence study. Work by correspondence is offered in practically every department of instruction. A fee of $15 per year is required. This work is all outlined in a special catalogue, which may be had for the asking. This department enables students to make progress whether they can attend school or not.

In conjunction with the work in correspondence study provision is made for the organization of study classes, to be conducted by members of the Faculty. A number of such classes have been organized over the state. Those who complete satisfactory work are given credit which counts toward graduation just the same as work done here in residence. Several such classes are at work this year.

EXTENSION LECTURE DEPARTMENT.

This department offers lectures and entertainments to the communities of Kansas. Every activity of the School is represented in the extension pamphlet issued by this department. Teachers' associations, parents' meetings, social centers, men's clubs, women's clubs and other organizations can select to advantage from the list of lectures and entertainments offered. Special attention is given high-school plays and public-speaking work in high school.

EXTENSION-STUDY CREDIT.

College credit for correspondence study and other forms of extension study will be granted only to students who have submitted to the Registrar sufficient work from an accredited high school, or from examination, to meet college entrance requirements, and have been admitted to college work. Grades of other persons will be filed merely, and not entered on the record. They will be recorded, or transcribed, when this requirement is satisfied.

Not more than fifty per cent of the requirement for any certificate or diploma may be satisfied with credit earned in this way. Any amount of high-school work may be done by correspondence. This in no way operates to reduce residence requirements stated elsewhere.

DEPARTMENT OF VISUAL EDUCATION.

This department is under the supervision of a committee chosen because of its interest and experience in the promotion of visual education in the Kansas State Normal School and over the state of Kansas. Through the coöperation of the National Bureau of Commercial Economics and the industrial organizations of the country a valuable library of motion-picture films has been gathered. The department has a well-equipped laboratory for the manufacture of lantern slides. The already large collection of lantern slides is being increased constantly. Carefully classified collections of stereographs and prints are being made. This material, with descriptive lectures or syllabi, is sent out upon request, free of charge, to schools, churches, clubs and civic organizations.

In addition to the work in the field the department operates a motion-picture theater upon the campus and carries on extensive experiments in visual education in the various classes of the Training School, High School and Normal School.

BUREAU OF EDUCATIONAL MEASUREMENTS AND STANDARDS.

This bureau was established by the Board of Educational Administration for the purpose of assisting superintendents and teachers in applying measurements and standards in the public schools of the state. In fulfilling this function a large quantity of valuable data accumulates in the office of this bureau. These data are available to students for the study of educational problems.

RURAL SCHOOL BUREAU.

The Rural School Bureau is in charge of a board of eight members, each of whom is intimately acquainted with some phase of the work in rural schools. Its chairman is the professor of rural-school administra-

tion. The board makes plans in the interest of rural schools and the clerical force of the division sees that they are carried out. Special helps of various kinds are being furnished to rural schools, and through cooperation with county superintendents and several hundred rural teachers plans for bettering the programs and teaching of various subjects are being tried out. This bureau promises to become one of the strongest departments of the division.

PUBLICITY.

The dissemination of all news of the School and all publications, such as its magazine, *Teaching*, and the various special bulletins, is provided by the Publicity Department, under the general direction of the Publicity Committee of the Faculty.

PUBLIC SCHOOL SERVICE.

The Department of Public School Service was organized a few months ago under the direction of Mr. W. D. Ross. The work of this department will get fully under way in September. Mr. Ross will seek to place all departments of this institution in coöperation with the superintendents of the state who wish to better their schools in instruction, equipment and organization, and to this end will, so far as time permits, be available for calls for visitation and conference. Mr. Ross will also give such time as he can to school consolidation.

SCHOOL CONSOLIDATION.

The Department of School Consolidation, headed by Mr. M. L. Smith, is the newest addition to the Extension Division. It is made necessary by the rapid sweep of consolidation over Kansas. Mr. Smith will devote practically all his time to field work in the interest of school consolidation. He will continue to direct the Department of Visual Education, however, through which department a bigger program than ever before in films, slides and other service is planned for the coming school year.

ALUMNI ORGANIZATIONS.

The Alumni Department takes care of all alumni meetings and records, publishes an alumni catalogue and the *Alumni Quarterly*, manages the property of the association, and serves as general alumni headquarters every day in the year.

Inquiries concerning any of these phases of extension work should be addressed to Extension Division, Kansas State Normal, Emporia, Kansas.

PUBLICATIONS.

In addition to the General Catalogue published in March, the following publications are put out by the Kansas State Normal School:

TEACHING, a magazine published monthly, devoted to all phases of educational and teacher-training work. Five thousand copies of each edition are distributed to teachers and school officers of Kansas. Each issue is devoted to some special educational topic. The magazine is edited by Mr. H. E. Birdsong, of the English Department, and will be sent free of charge to any one in the state of Kansas.

SUMMER SCHOOL CATALOGUE, issued yearly, in January for the Summer School following. Catalogue sent upon request.

CORRESPONDENCE-STUDY CATALOGUE, issued each year by the Extension Division, contains full information concerning courses, fees, time, etc., in correspondence work. This catalogue is sent free to any one upon request.

EXTENSION CATALOGUE, issued annually by the Extension Division, contains full information regarding lectures, lyceum courses and special features of various kinds provided by the State Normal School.

MUSIC CATALOGUE, issued once a year by the Music School, and containing full information about instruction in public-school music, voice, piano, violin, harmony, theory, history of music, etc. Sent on request.

ALUMNI CATALOGUE, issued by the Extension Division, and containing register of alumni as well as other information concerning the school and the Alumni Association. May be had for the asking.

THE SUNFLOWER, the year-book of the School, published by the student body. Distributed through the Annual Staff.

THE STATE NORMAL BULLETIN, issued weekly during the regular school year and daily during the Summer School, is published by the classes in newspaper English.

CHAPEL.

Chapel exercises are held at 10, Monday and Friday.

CLASSES BEGINNING AT MIDDLE OF SECOND SEMESTER.

For the accommodation of teachers whose schools close late in March and who desire to enter the State Normal School at that time, classes have been arranged to begin at the middle of the second semester. College courses offered then are double courses, covering in a half semester with double time the work done in the regular classes in a whole semester. High-school courses offered at that time are completed at the close of the Summer Term. In addition to these special classes properly qualified students will be admitted, in practically all departments, to the regular classes and receive credit as arranged with the department. By entering March 28, 1921, and continuing through the Summer Session a student may complete the work of one whole semester. A list of such courses is indicated in the second semester schedule.

STUDENTS' LOAN FUND.

The class of 1899 made a gift of $111.60 to be used as a fund for aiding students. The fund was put in the care of a board of trust composed of the president, vice president, and the head of the Department of Physics and Chemistry. Students who are within one year of graduation have preference in securing loans. When their needs have been met other students may secure loans in order of seniority. The plan proved to be satisfactory, and several other classes have added to the fund. Following is a statement of the fund to January 1, 1921.

GIFTS BY CLASSES.

Class of 1899	$111.60
Class of 1900	107.56
Class of 1901	141.65
Class of 1905	27.00
Class of 1908	235.00
Class of 1909	168.28
Class of 1910	197.90
Class of 1911	107.16
Class of 1912	79.50
Class of 1913	51.55
Class of 1914	75.00
Class of 1915	84.07
Special, 1916	1.00
Freshmen, 1916	7.20
Class of 1916	70.04
Total gifts to date	$1,464.51

Present worth of fund, Feb. 10, 1920	$2,653.48
Present worth of fund, Jan. 1, 1921	$2,740.55
Special Contributions	153.80

This report does not include interest due and unpaid January 1, 1921.

The making of loans is in the hands of the committee above mentioned, of which Prof. James W. Mayberry is treasurer. Students interested should inquire of him.

COURSES APPLICABLE TO ENGINEERING.

To meet the demands of many students who expect later to complete work for an engineering degree, this School has selected from the courses now being given those which will receive credit in any engineering school. It is recommended that any student expecting to take up engineering select as adviser the head of the department in which he expects to do the most work.

Engineering schools commonly require in the Departments of Civil Engineering, Mechanical Engineering, Chemical Engineering, Mining Engineering, Sanitary Engineering and Electrical Engineering, the following courses:

Mathematics:	
College Algebra	3 hours
Trigonometry	3 hours
Surveying	2 to 3 hours
Descriptive Geometry	4 hours
Calculus	6 to 8 hours
Analytic Geometry	4 to 5 hours
Total	22 to 26 hours
Modern Language	10 to 20 hours
English	6 to 9 hours
Mechanical Drawing	4 hours
Physics:	
Mechanics, Sound and Heat	5 hours
Magnetism, Electricity and Light	5 hours
Total	10 hours

Chemistry:	
Essentials of Chemistry	5 hours
Advanced Inorganic	5 hours
Qualitative Analysis	5 hours
Total	15 hours

Additional courses required for the several engineering departments:

Civil Engineering: Advanced Mechanics, 3; Advanced Heat, 2.

Mechanical Engineering: Advanced Mechanics, 3; Advanced Heat, 2; Advanced Magnetism and Electricity, 4; Advanced A. C. Electricity, 3; Gas Engines and Automobiles, 3.

Chemical Engineering: Geology, 5; Organic Chemistry, 5; Quantitative Analysis, 5.

Mining Engineering: Bacteriology, 3; Geology, 5; Organic Chemistry, 5; Quantitative Analysis, 5.

Sanitary Engineering: Bacteriology, 3; Organic Chemistry, 5; Quantitative Analysis, 5.

Electrical Engineering: Advanced Magnetism and Electricity, 4; Advanced A. C. Electricity, 3; Radio-Telegraphy, 3.

Certificates and Diplomas.

Formal application must be made at the Registrar's office for any certificate or diploma desired.

Applicants for any certificate should not overlook the residence requirement for the certificate desired.

REGULAR CERTIFICATES AND DIPLOMAS.

GENERAL REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION.

The degree of Bachelor of Science in Education is conferred upon persons who are graduates of accredited high schools, or other preparatory schools of like standing, and who satisfy the following requirements:

LIBRARY LECTURES, *no credit.*

Required in the freshman year.

ENGLISH.

Rhetoric and Composition, 6 hours.

Three hours of rhetoric and composition must be taken in the freshman year.

All students will register for Rhetoric and Composition I the first or second semester of the freshman year. Those students who, within the first two weeks of the semester, convince the Faculty of the Department of English that they are able to do superior work in rhetoric and composition will be tentatively excused from the first three hours and permitted to undertake the work of the second three hours in Rhetoric and Composition II, Composition for Women, or Newspaper English. Such students who complete the second course satisfactorily will not be required to take the first course, but will be required to offer three hours elective credit.

Literature, 3 hours.

Special Work:

All students in the junior or senior year whose work in any department is weakened by poor English, or whose English is found to be notably defective, shall be reported at once by the instructor concerned to the head of the English Department, or to a committee of which he shall be chairman. Upon examination such students shall be assigned to regular English classes without credit until they are able to pass a proficiency test in the subject. No candidate will be recommended for a degree until his English is satisfactory.

ORAL ENGLISH, 3 hours.

SOCIOLOGY, 5 hours.

LATIN OR MODERN LANGUAGE, 15 hours.

This requirement is reduced at the rate of five hours for each unit of high-school credit in foreign language, providing that a student may not have less than ten hours of college credit in any one language.

For example, a student offering Latin for college entrance and who takes up the study of French will be required to submit a minimum credit of ten hours of French.

HISTORY.

American History or Government, 3 hours.

Students offering less than one unit of American history or one-half unit of government for entrance will be required to take three hours of American history or government.

European History, 3 hours.

Students offering less than one unit of European history for college entrance will be required to take three hours of European history.

MATHEMATICS, 3 hours.

Students offering less than two units of mathematics (Algebra and Geometry) for college entrance will be required to take three hours of college mathematics.

PHYSICAL SCIENCE (Physics or Chemistry), 5 hours.

Students who do not offer a unit of chemistry or a unit of physics for entrance will be required to take five hours of physics or chemistry in college.

BIOLOGICAL SCIENCE (Biology, Botany or Agriculture), 5 hours.

Students offering less than one unit of biological science for entrance will be required to take five hours of biological science.

PROFESSIONAL REQUIREMENTS.

For students preparing to teach in high school, or to become superintendents, principals, or to take charge of educational research.

Elements of Psychology ..... 3 hours

Students who have had high-school psychology should take Elementary Educational Psychology.

High-school Administration, *or* ..... 2 hours
Administration of Small Town and Rural High Schools ..... 3 hours
Educational Psychology ..... 3 hours
High-school Instruction ..... 3 hours
Supervised Teaching in Junior or Senior Division of the Roosevelt High School ..... 4 hours

Teaching which has been used for credit in securing the life certificate does not meet the requirement for the degree. A maximum of ten hours may be submitted for this diploma.

Principles of Education ..... 3 hours

For students preparing to teach in intermediate or grammar grades, or to become supervisors in these grades. The director of teacher training is the advisor for this group.

Elements of Psychology ..... 3 hours

Students who have had high-school psychology should take Elementary Educational Psychology.

Elementary Instruction ..... 3 hours
Educational Measurements I & II ..... 4 hours
Educational Psychology ..... 3 hours
Supervised Teaching ..... 6 hours

Teaching credit which has been used in securing the life certificate does not meet the requirement for the degree. A maximum of ten hours may be submitted for this diploma.

Principles of Education ..... 3 hours

Required of all candidates.

1. A *major* selected from the work of one department ..... 20 to 35 hours

   See pages 41 to 46 for major requirements of candidates for the B. S. degree in Education who are preparing to do educational research work, or to be superintendents or principals or to teach in the kindergarten or the primary grades.

2. A *minor* selected from the work of a department allied to the department from which the major is selected..... 15 hours
3. Sufficient *elective* credits that the full requirement of 120 hours, exclusive of the required work in physical training practice, may be satisfied.
4. Physical training practice (per semester for the freshman and sophomore years)..... 1 hour

Regulating the Election of Courses.

1. The work of the junior and senior years must include a minimum of *forty* hours from courses designated as senior college subjects, *i. e.*, subjects numbered fifty or above.

2. No student having fewer than *thirty* hours of college credit shall be admitted to the senior college subjects. (This shall be interpreted to mean that when a department admits freshmen to a given course it must be ranked as a junior college course.)

3. At least *one-third* of the hours required for a major in any department must be senior college work.

4. See supervised teaching subject-matter prerequisites, introductory subjects and other professional requirements, page 40.

5. Any student of senior college rank who takes a course required in the freshman year is given but half the credit of this course.

6. Any student may not elect as credit for the degree more than nine hours of the professional requirements for the life certificate, special proficiency certificates, or special certificates, which are not also requirements for the B. S. degree in Education.

7. Not more than *ten* hours of supervised student teaching may be offered for the degree of Bachelor of Science in Education.

Majors.

Majors may be taken in the following departments and department groups. In case of department groups, the major may be taken in any one field of the group which the student's adviser may approve.

Agriculture.
Art.
Manual Art.
Biology and Geology.
Biological Science:
    Biology and Geology.
    Botany and Bacteriology.
    Physiology and Hygiene.
Chemistry.
Commerce.
Education.
English.

English and Public Speaking and Expression.
Geography.
History and Government.
History and Social Science:
- History.
- Economics.
- Government.
- Sociology.

Home Economics.
Latin.
Mathematics.
Modern Languages.
Music.
Physical Education.
Physical Science.
- Chemistry.
- Geography.
- Physics.

Physics.
Physiology and Hygiene.
Primary and Kindergarten.
Psychology and Philosophy.
Rural-school Administration.
School Administration.
Sociology and Economics.

I. Students should give attention as early as the sophomore year to the selection of a major for the B. S. degree in Education. (There is no major for the life certificate, or any certificate except the degree.) Students are required to file with the Registrar and the head of the major department not later than the opening of the junior year their selection of a major and minor. Apply to the Registrar for card for this purpose. The consent of the President is necessary to change in the major subject.

II. A *major* shall consist of not less than *twenty* hours in some one department or department groups.

III. A *minor* shall consist of *fifteen* hours selected from the work of a department allied to the major department.

IV. Not more than *thirty-five* hours in any one department or department group may be counted toward graduation, except:

1. In Modern Languages *ten* additional hours of French, German, or Spanish may be counted.
2. In the Biological Science group or in the Physical Science group *ten* hours additional credit may be counted, provided this is prerequisite work in another field of the group.
3. In the English and Public-speaking group *ten* hours additional credit may be counted.

V. Students wishing to major in education are required to complete a minimum of *twenty* hours in addition to the educational subjects required of all students for the degree. These subjects may be selected, with the adviser's approval, from any or all of the following departments: Psychology, School Administration, Rural-school Administration and Educational Sociology.

In order that students may be assisted in choosing their educational majors, the following suggestions are made:

Students preparing to take charge of the educational research work in city schools or elsewhere should include the following subjects in their major:

Educational Measurements II	2 hours
Clinical Psychology or Abnormal Psychology, 2 or	3 hours
Child Psychology	2 hours
Psychology of Adolescence	3 hours
Vocational Psychology	2 hours
Educational Administration	3 hours
Educational Research	2 hours
	17 hours

Students preparing to become superintendents should include the following subjects in their major:

Educational Administration	3 hours
Junior High School	3 hours
Educational Measurements II	2 hours
Grade-school Mechanics	2 hours
	10 hours

Students preparing to become principals should include the following subjects in their major:

Educational Administration	3 hours
Junior High School	3 hours
Educational Measurements II	2 hours
	8 hours

Students preparing to become superintendents, supervisors, or principals of rural schools or small town schools should include the following subjects in their major:

Rural-school Instruction and Administration	5 hours
Rural-life Problems	3 hours
State and County School Administration	3 hours
Rural Economics	2 hours
Administration of Small Town and Rural High Schools	3 hours
	16 hours

Course of study for the B. S. degree in Education for candidates who are preparing to teach in kindergarten or primary grades or to become supervisors in the same.

Academic requirements: See pages 41 to 46.

General professional requirements:

Elements of Psychology	3 hours
Students who have had psychology should take Elementary Educational Psychology.	
Elementary Instruction	3 hours
Primary Methods	4 hours
The Period of Infancy	3 hours
Educational Measurements I	2 hours
Child Psychology	2 hours
Supervised Teaching for students who wish to emphasize kindergarten work:	
In the kindergarten	6 hours
In the primary grades	4 hours

Supervised Teaching for students who wish to emphasize primary work:
- In the primary grades ..... 4 hours
- In the kindergarten ..... 2 hours

NOTE.—Teaching credit which has been used in securing a life certificate or a special proficiency certificate does not meet the requirement for the degree.

Major requirements for candidates for the B. S. degree in Education who are preparing to teach in kindergarten or primary grades or to become supervisors in kindergarten or primary grades.

- Advanced Methods of Primary Instruction ..... 3 hours
- Industrial Art for Primary and Kindergarten Teachers ..... 5 hours
- Kindergarten and Primary Music Methods ..... 2 hours
- Plays and Games for Kindergarten and Primary Grades ..... 2 hours
- Story-telling or Children's Literature ..... 3 hours
- Field Zoölogy, Animal Nature Study, and Plant Nature Study ..... 2 to 4 hours
- Elementary Science ..... 2 hours
- School and Personal Hygiene, *or* ..... 3 hours
- Hygiene and Sanitation ..... 3 hours
- Educational Sociology ..... 3 hours
- History of Modern Education ..... 3 hours

Sufficient *elective* credit, chosen with the approval of the head of the Kindergarten-Primary Department, that the full requirement of 120 hours, exclusive of the required work in physical-training practice, may be satisfied, must be submitted.

- Free-hand Drawing I ..... 4 hours
- Free-hand Drawing II ..... 3 hours
- Art Appreciation ..... 3 hours
- Clay Modeling ..... 2 hours
- Picture Study in the Grades ..... 2 hours
- Sight Singing ..... 2 hours

Does not apply as credit for the diploma conferring this degree.

- Piano ..... 2 to 4 hours
- Oral English, Advanced Expression, or Pageantry, 3 hours
- American or English History ..... 3 hours
- Ethics ..... 3 hours
- Geography ..... 3 hours
- Home Economics ..... 4 hours
- Teaching of Elementary Mathematics ..... 2 hours
- Shakspere's Comedies ..... 2 hours
- Tennyson's Idylls of the King ..... 2 hours
- Physical training practice (per semester for the freshman and sophomore years) ..... 1 hour

RESIDENCE REQUIREMENTS FOR ALL DEGREES.

I. A minimum of two semesters, or one semester and one term (half semester), or three consecutive Summer Terms of residence, during which the student must earn twenty-four hours of credit, is required. These twenty-four hours must be included in the last thirty hours necessary for graduation.

II. Students who have made seventy-five hours in residence may be in residence only one semester or the Summer Term immediately prior to the granting of a degree.

III. In addition to satisfying the above residence requirement, stu-

dents with advanced standing from other institutions must earn in residence a minimum of four hours in their major subject and a minimum of two hours in their minor subject.

GENERAL REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN COMMERCE.

The degree of Bachelor of Science in Commerce is conferred upon persons who are graduates of accredited high schools, or other preparatory schools of like standing, and who satisfy the following requirements:

LIBRARY LECTURES, *no credit.*

Required in the freshman year.

ENGLISH.

Rhetoric and Composition, 6 hours.

Three hours rhetoric and composition must be taken in the freshman year. All students will register for Rhetoric and Composition I the first or second semester of the freshman year. Those students who, within the first two weeks of the semester, convince the Faculty of the Department of English that they are able to do superior work in rhetoric and composition will be tentatively excused from the first three hours and permitted to undertake the work of the second three hours. Such students who complete the second course satisfactorily in Rhetoric and Composition II, Composition for Women, or Newspaper English will not be required to take the first course, but will be required to offer three hours elective credit.

Literature, 3 hours.

Special work:

All students in the junior or senior year whose work in any department is weakened by poor English, or whose English is found to be notably defective, shall be reported at once by the instructor concerned to the head of the English Department, or to a committee of which he shall be chairman. Upon examination such students shall be assigned to regular English classes without credit until they are able to pass a proficiency test in the subject. No candidate will be recommended for the degree until his English is satisfactory.

ORAL ENGLISH, 3 hours.

EDUCATION:

Elements of Psychology..... 3 hours

Students who have had psychology in high school take Elementary Educational Psychology.

Educational Psychology ..... 3 hours
High-school Instruction ..... 3 hours
Practice Teaching in High School..... 4 hours

COMMERCIAL COURSES:

Accounting (must include Advanced Accounting), 9 hours
Law ..... 8 hours
Stenography ..... 8 hours
Typewriting ..... 3 hours
Office Practice and Procedure ..... 2 hours
Business Correspondence ..... 2 hours
Commercial Arithmetic ..... 2 hours
Principles of Economics ..... 5 hours
Business Organization ..... 2 hours
Economic and Industrial Geography ..... 3 hours
Money and Banking ..... 2 hours
Penmanship ..... 2 hours

From the following list, thirteen hours selected with the approval of the head of the department:

Accounting	5 hours
Salesmanship	2 hours
Stenography	2 hours
Typewriting	2 hours
Principles and Methods in Commercial Education,	2 hours
Economic History of the United States	3 hours
Geography of North America	4 hours
Geography of South America	3 hours
Geography of Europe	3 hours
International Law	3 hours
History of Latin America	2 hours
Spanish	10 hours
Vocational Psychology	2 hours

MINOR:

A *minor* of fifteen hours should be selected, with the approval of the head of the Department of Commerce, from the work of another department.

ELECTIVES:

Candidates for this degree are required to submit sufficient credit from the work of other departments that the total of work to his credit may be one hundred and twenty hours, exclusive of the required work in physical-training practice.

PHYSICAL-TRAINING PRACTICE (per semester for the freshman and sophomore years), 1 hour.

RESIDENCE REQUIREMENT for the degree of Bachelor of Science in Commerce, see page 47.

GENERAL REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN MUSIC.

The degree of Bachelor of Science in Music is conferred upon persons who are graduates of accredited high schools, or other preparatory schools of like standing, and who satisfy the following requirements:

LIBRARY LECTURES, *no credit.*

Required in freshman year.

ENGLISH.

Rhetoric and Composition, 6 hours.

Three hours of rhetoric and composition must be taken in the freshman year. All students will register for Rhetoric and Composition I the first or second semester of the freshman year. Those students who, within the first two weeks of the semester, convince the Faculty of the Department of English that they are able to do superior work in rhetoric and composition will be tentatively excused from the first three hours and permitted to undertake the work of the second three hours. Such students who complete the second course satisfactorily in Rhetoric and Composition II, Composition for Women, or Newspaper English, will not be required to take the first course, but will be required to offer three hours elective credit.

Literature, 3 hours.

Specal Work:

All students in the junior or senior year whose work in any department is weakened by poor English, or whose English is found to be notably defective, shall be reported at once by the instructor concerned to the head of the English Department, or to a committee of which he shall be chairman. Upon examination such students shall be assigned to regular English classes without credit until they are able to pass a proficiency test in the subject. No candidate will be recommended for the degree until his English is satisfactory.

ORAL ENGLISH, 3 hours.

MUSIC.

A requirement of sixty hours in music, as follows:

Solfeggio	6 hours
Theory and History of Music	12 hours
Applied Music	16 hours
Elective	26 hours

EDUCATION (including 4 hours practice teaching in high school), 24 hours.

MINOR.

A *minor* of fifteen hours should be selected from the work of one of the following departments:

English.
Physical Training.
Art.
Public Speaking and Expression.
Modern Languages.
Latin.
Mathematics.
Commerce.

ELECTIVES.

Candidates for this degree are required to submit sufficient credit from the work of other departments that the total of work to his credit may be one hundred and twenty hours, exclusive of the required credit in physical-training practice.

PHYSICAL-TRAINING PRACTICE (per semester for the freshman and sophomore years), 1 hour.

RESIDENCE REQUIREMENT for the degree of Bachelor of Science in Music, see page 49.

REQUIREMENTS FOR THE LIFE CERTIFICATE.

Applicants for the life certificate are required—

1. To be graduates of an accredited high school or preparatory school.
2. To be in residence one semester or two summer terms.
3. To offer fifteen hours of residence credit.
4. To offer eight hours of residence credit earned within the year immediately preceding the issuing of the certificate.
5. To offer a minimum credit of sixty hours, not including the requirement of one hour per semester in physical training practice.

LIBRARY LECTURES, *no credit.*

Required in freshman year.

ENGLISH.

Rhetoric and Composition, 6 hours.

All students will register for Rhetoric and Composition I the first or second semester of the freshman year. Those students who, within the first two weeks of the semester, convince the Faculty of the Department of English that they are able to do superior work in rhetoric and composition will be tentatively excused from the first three hours and permitted to undertake the work of the second three hours. *Students who complete the second course satisfactorily* in Rhetoric and Composition II, Advanced Composition for Women or Newspaper English, will not be required to take the first course, but will be required to offer three hours elective credit.

English Literature or Oral English, 3 hours.
Special Work:

All students in the junior or senior year whose work in any department is weakened by poor English, or whose English is found to be notably defective, shall be reported at once by the instructor concerned to the head of the English Department, or to a committee of which he shall be chairman. Upon examination such students shall be assigned to regular English classes without credit until they are able to pass a proficiency test in the subject. No candidate will be recommended for a degree until his English is satisfactory.

ELEMENTS OF PSYCHOLOGY, 3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

EDUCATIONAL MEASUREMENTS I, 2 hours.

ELEMENTARY INSTRUCTION, or RURAL-SCHOOL INSTRUCTION, 3 hours.

SUPERVISED TEACHING in the Elementary Training School, or Emporia Elementary Schools, 6 hours.

See practice teaching subject-matter prerequisites, introductory subjects and other professional requirements, page 118.

ELECTIVE, 37 hours.

PHYSICAL-TRAINING PRACTICE (per semester for the freshman and sophomore years), 1 hour.

Total (not including Physical-training Practice), 60 hours.

SPECIAL CERTIFICATES.

Persons who intend to become applicants for the life certificate upon the completion of two years of college work should so plan their work that they may meet also the requirements for—

a. A special proficiency certificate, or
b. A special certificate to teach in the elementary school and high school.

The certificates for special proficiency are issued only in connection with the life certificate, and are in—

1. Primary Teaching and Kindergarten Teaching.
2. Rural School Teaching.

Applicants for any of these certificates are required—

1. To be in residence one semester or two summer terms.
2. To offer fifteen hours of residence credit.
3. To offer eight hours of residence credit earned within the year immediately preceding the issuing of the certificate.
4. To offer a minimum credit of sixty hours, not including the requirement of one hour per semester in physical training practice.

FOR THE CERTIFICATE FOR SPECIAL PROFICIENCY IN KINDERGARTEN-PRIMARY OR PRIMARY-KINDERGARTEN TEACHING AND LIFE CERTIFICATE.

Library Lectures, *no credit.*

Required in freshman year.

Rhetoric and Composition, 6 hours.
English Literature or Oral English, 3 hours.

The regulation governing work in English should be observed. (See page 48.)

Elements of Psychology, 3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

Elementary Instruction, 3 hours.
Educational Measurements I, or Clinical Psychology, 2 to 3 hours.

Required:

Primary Methods	4 hours
Industrial Art for Primary and Kindergarten Teachers	5 hours
Kindergarten and Primary Music Methods	2 hours
The Period of Infancy	3 hours
Plays and Games for the Kindergarten and Primary Grades	2 hours
Story-telling or Children's Literature	3 hours
Field Zoölogy, Plant Nature Study or Elementary Science	2–4 hours
School and Personal Hygiene, or Hygiene and Sanitation	3 hours
Child Psychology	2 hours
Supervised Teaching for students who wish to emphasize Kindergarten work:	
In the kindergarten	6 hours
In the primary grades	4 hours
Supervised Teaching for students who wish to emphasize primary work:	
In the primary grades	4 hours
In the kindergarten	2 hours

NOTE.—Teaching credit which has been used in securing a life certificate or a special proficiency certificate does not meet the requirement for the degree.

Nineteen hours must be selected with the approval of the head of the Kindergarten-Primary Department.

Free-hand Drawing I	4 hours
Free-hand Drawing II	3 hours
Art Appreciation	3 hours
Clay Modeling	2 hours
Picture Study in the Grades	2 hours
Sight Singing	2 hours
Piano	2 hours
Music Appreciation	2 hours
Oral English	3 hours
American or English History	3 hours
Sociology	3 hours
Ethics	2 hours
Geography	3 hours
Home Economics	4 hours
Teaching of Elementary Mathematics	2 hours
Shakspere's Comedies	2 hours
Tennyson's Idylls of the King	2 hours
Physical Training Practice (per semester for the freshman and sophomore years)	1 hour
Total (not including Physical Training Practice)	60 hours

FOR THE CERTIFICATE FOR SPECIAL PROFICIENCY IN RURAL SCHOOL TEACHING, AND THE LIFE CERTIFICATE.

Library Lectures, *no credit.*

Required in freshman year.

Rhetoric and Composition, 6 hours.
English Literature or Oral English, 3 hours.

The regulation governing work in English should be observed. (See page 48.)

Elements of Psychology, 3 hours.

Students who have had psychology in high school will take Elementary Educational Psychology.

Rural-school Instruction, 3 hours.
Rural-school Administration, 2 hours.
Supervised Teaching, 6 hours.

(Prerequisites listed on pages 118 and 120 should be noted.)

Physical-training practice (per semester for the freshman and sophomore years), 1 hour.

Required:

Teaching of Elementary Mathematics	2 hours
Economic and Industrial Geography	3 hours
Elementary Science	2 hours
Rural-life Problems	3 hours
Industrial Art for Rural-school Teachers	3 hours
Primary Methods	4 hours
Child Psychology	2 hours
Agriculture	4 hours
Farm Accounting	2 hours

Elective, *twelve* hours selected with the approval of the student's adviser from the following:

Arithmetic	4 hours
Nature Study	2 hours
Manual Training or Home Economics	4 hours
Bacteriology	3 hours
Rural-school Music	3 hours
Hygiene and Sanitation	3 hours
Rural Economics	2 hours
State and County School Administration	3 hours
History, American or European	3 hours
Story-telling	3 hours
Public Speaking	3 hours
Total (not including Physical-training Practice)	60 hours

SPECIAL ELEMENTARY SCHOOL AND HIGH-SCHOOL CERTIFICATES.

Section 8875, General Statutes of 1915, provides that:

"Each of said institutions [Kansas State Normal School, State Manual Training Normal School, and the Fort Hays Kansas Normal School] shall have power to issue certificates to teach Manual Training, Domestic Science, Agriculture, Commercial Subjects, Drawing, Music, or other occupational subjects, upon the completion of such course of study as may be prescribed by the Faculty of said institutions and approved by the State Board of Administration."

In accordance with this act of the legislature, the Faculty of this institution has provided for the following special certificates to be issued for a period of three years and renewable for a like period upon the completion of thirty additional hours of work.

These certificates may be issued in connection with the life certificate,

or not, as is desired. Students seeking any special certificate should select courses under the direction of the head of the department.

It is required that applicants for any of these certificates are required—

1. To be in residence one semester or two summer terms.
2. To offer fifteen hours of residence credit.
3. To offer eight hours of residence credit earned within the year immediately preceding the issuing of the certificate.
4. To offer a minimum credit of sixty hours, not including the requirement of one hour per semester in physical training practice.

FOR SPECIAL CERTIFICATE TO TEACH AGRICULTURE IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Library Lectures, *no credit.*

Rhetoric and Composition ..... 6 hours

Required in freshman year.

English Literature or Oral English ..... 3 hours

The regulation governing work in English should be observed. (See page 48.)

Essentials of Chemistry ..... 5 hours
Biology ..... 2 hours
Farm Carpentry ..... 4 hours
Physical Training Practice (each semester, for the freshman and sophomore years) ..... 1 hour

EDUCATION:

Elements of Psychology ..... 3 hours

Students who have had psychology in high school will take Elementary Educational Psychology.

Elementary Instruction or Rural-school Instruction ..... 3 hours
Educational Measurements I ..... 2 hours

AGRICULTURE:

Agronomy ..... 4 hours
Animal Husbandry ..... 4 hours
Farm Management ..... 4 hours
Horticulture and Forestry ..... 4 hours
School Gardening and Landscape Art ..... 2 hours
Soils ..... 2 hours
Feeds and Feeding ..... 2 hours
Dairying ..... 2 hours
Market and Breeding Types and Classes of Live Stock ..... 2 hours
Supervised Teaching ..... 6 hours

Total (not including Physical-training Practice), 60 hours

FOR SPECIAL CERTIFICATE TO TEACH COMMERCE IN THE ELEMENTARY SCHOOL AND IN HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Library Lectures, *no credit.*

Required in freshman year.

Rhetoric and Composition ..... 6 hours
English Literature or Oral English ..... 3 hours

The general regulation governing work in English should be observed. (See page 48.)

Principles of Economics..... 3 hours
Economic and Industrial Geography..... 3 hours
Physical-training Practice (each semester)..... 1 hour

EDUCATION:

Elements of Psychology ..... 3 hours

Students who have had psychology in high school will take Elementary Educational Psychology.

Elementary Instruction or Rural-school Instruction ..... 3 hours
Educational Measurements I..... 2 hours

COMMERCE:

Accounting ..... 6 or 8 hours
Business Law I..... 3 hours
Stenography ..... 8 or 10 hours
Typewriting ..... 3 hours
Office Practice and Procedure..... 2 hours
Penmanship ..... 2 hours
Commercial Arithmetic ..... 2 hours
Supervised Teaching ..... 6 hours

Total (not including Physical-training Practice), 60 hours

FOR SPECIAL CERTIFICATE TO TEACH DRAWING IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Library Lectures, *no credit.*

Required in freshman year.

Rhetoric and Composition..... 6 hours
Oral English ..... 3 hours

The general regulation governing work in English should be observed. (See page 48.)

Sewing and Textiles..... 5 hours
History of Greece, or European History During the Middle Ages ..... 3 hours
Physical-training Practice (each semester)..... 1 hour

EDUCATION:

Elements of Psychology.....3 hours

Students who have had psychology in high school will take Elementary Educational Psychology.

Elementary Instruction or Rural-school Instruction ..... 3 hours
Educational Measurements I..... 2 hours

DRAWING AND INDUSTRIAL ART:

Picture Study ..... 2 hours
Free-hand Drawing I..... 4 hours
Free-hand Drawing II..... 5 hours
Industrial Art for Primary Teachers..... 5 hours
Industrial Art for Intermediate Teachers..... 2 hours
Blackboard Drawing ..... 2 hours
Industrial Art for High-school Teachers..... 3 hours
Raffia Basketry ..... 2 hours
Reed Basketry ..... 2 hours
Advanced Study of Light and Dark I or II..... 2 hours
Advanced Study of Color I or II..... 2 hours
Supervised Teaching ..... 6 hours

Total (not including Physical-training Practice), 62 hours

FOR SPECIAL CERTIFICATE TO TEACH HOME ECONOMICS IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Library Lectures, *no credit.*

Required in the freshman year.

Rhetoric and Composition ..... 6 hours
English Literature or Oral English ..... 3 hours

The general regulation governing work in English should be observed. (See page 48.)

Essentials of Chemistry ..... 5 hours
Free-hand Drawing I ..... 4 hours
Free-hand Drawing II ..... 3 hours
Household Bacteriology ..... 3 hours
Physical-training Practice (each semester) ..... 1 hour

EDUCATION:

Elements of Psychology ..... 3 hours

Students who have had psychology in high school will take Elementary Educational Psychology.

Elementary Instruction or Rural-school Instruction ..... 3 hours
Educational Measurements I ..... 2 hours

HOME ECONOMICS:

Foods ..... 5 hours
Household Management ..... 5 hours
Sewing and Textiles ..... 5 hours
Drafting and Design ..... 4 hours
Applied Costume Design ..... 4 hours
House Sanitation and Construction ..... 2 hours
Supervised Teaching ..... 6 hours

Total (not including Physical-training Practice), 63 hours

FOR SPECIAL CERTIFICATE TO TEACH MANUAL TRAINING IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Library Lectures, *no credit.*

Required in the freshman year.

Rhetoric and Composition ..... 6 hours
English Literature or Oral English ..... 3 hours

The general regulation governing work in English should be observed. (See page 48.)

Free-hand Drawing I ..... 4 hours
Industrial Art for Intermediate Teachers ..... 2 hours
Physical Training Practice (each semester) ..... 1 hour

EDUCATION:

Elements of Psychology ..... 3 hours

Students who have had psychology in high school will take Elementary Educational Psychology.

Elementary Instruction or Rural-school Instruction, 3 hours
Educational Measurements I ..... 2 hours

MANUAL TRAINING:

Mechanical Drawing	4 hours
Woodworking	4 hours
Farm Carpentry	4 hours
Mathematics (Shop Problems)	3 hours
Joinery and Cabinetmaking	4 hours
Furniture Construction	4 hours
Wood Turning	4 hours
Theory and Practice	2 hours
Supervised Teaching	6 hours
Wood Finishing	2 hours
Total (not including Physical-training Practice)	60 hours

FOR SPECIAL CERTIFICATE TO TEACH MUSIC IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

ACADEMIC:

Library Lectures, *no credit.*

Required in the freshman year.

Rhetoric and Composition	6 hours
English Literature or Oral English	3 hours

The general regulation governing the work in English should be observed. (See page 48.)

EDUCATION:

Elements of Psychology	3 hours

Students who have had psychology in high school should take Elementary Educational Psychology.

Elementary Instruction or Rural-school Instruction,	3 hours
Educational Measurements I	2 hours

MUSIC:

Kindergarten and Primary Music Instruction	2 hours
Grades and Junior High-school Music Instruction	2 hours
Elective	8 hours
Physical-training Practice (per semester)	1 hour

MUSIC:

Sight Singing and Solfeggio	4 hours

Harmony, Theory and History:

Elementary Harmony I and Ear Training	2 hours
Harmony II	2 hours
Intermediate Harmony	2 hours
History and Appreciation I	2 hours
History and Appreciation II	2 hours
Ensemble Practice	2 hours
Community Music and Conducting I	1 hour

Applied Music:

Voice—Intermediate and Certificate Years	4 hours
Piano—Intermediate and Certificate Years; one semester Accompanying	4 hours
Supervised Teaching	6 hours
Total (not including Physical-training Practice)	60 hours

Sight singing and study in voice or piano are desirable prerequisites in the case of students who aim to secure this certificate in two years. For students who wish to supervise music in the grades one year's successful teaching experience is essential.

Concerning other certificates and diplomas in music see the statement of this department.

FOR SPECIAL CERTIFICATE TO TEACH PHYSICAL TRAINING IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

(For work in men's department.)

ACADEMIC:

Library Lectures, *no credit.*

Required in the freshman year.

Rhetoric and Composition ..... 6 hours
English Literature or Oral English ..... 3 hours

The general regulation governing the work in English should be observed. (See page 48.)

Principles of Sociology ..... 3 hours
Elective ..... 4 hours

EDUCATION:

Elements of Psychology ..... 3 hours

Students who have had psychology in high school should take Elementary Educational Psychology.

Elementary Instruction or Rural-school Instruction, 3 hours
Educational Measurements I ..... 2 hours
Social Psychology ..... 2 hours
Child Psychology ..... 2 hours

PHYSICAL TRAINING:

Histology ..... 2 hours
Anatomy ..... 5 hours
Advanced Physiology ..... 3 hours
Playground Supervision ..... 3 hours
History of Physical Education ..... 2 hours
Theory of Coaching ..... 3 hours
Applied Anatomy ..... 2 hours
Anthropometry ..... 1 hour
Methods in Physical Education for Men..... 2 hours
Physiology of Exercise..... 3 hours
Physical-training Practice (each semester)..... 1 hour
Supervised Teaching ..... 6 hours

Total (not including Physical-training Practice), 60 hours

FOR SPECIAL CERTIFICATE TO TEACH PHYSICAL TRAINING IN THE ELEMENTARY SCHOOL AND HIGH SCHOOL, AND THE LIFE CERTIFICATE.

(For work in women's department.)

ACADEMIC:

Library Lectures, *no credit.*

Required in the freshman year.

Rhetoric and Composition..... 6 hours

The general regulation governing the work in English should be observed. (See page 48.)

Story-telling ..... 3 hours
Oral English ..... 3 hours
Physiology ..... 3 hours
Kindergarten—Plays and Games..... 2 hours
Handwork ..... 2 hours
Hygiene and Sanitation..... 3 hours
Elective ..... 4 hours

EDUCATION:

Elements of Psychology..... 3 hours

Students who have had psychology in high school will take Elementary Educational Psychology.

Elementary Instruction or Rural-school Instruction ..... 3 hours
Educational Measurements I..... 2 hours
Child Psychology ..... 2 hours

PHYSICAL TRAINING:

History of Physical Education..... 2 hours
Playground Supervision and Instruction..... 3 hours
Anatomy ..... 5 hours
Applied Anatomy ..... 2 hours
Kinesiology ..... 3 hours
Practice Teaching ..... 6 hours
Physical-training Practice (each semester)..... 1 hour
Methods of Teaching and Coaching in Physical Training ..... 3 hours

Total (not including Physical-training Practice), 60 hours

A SPECIAL CERTIFICATE WITHOUT THE LIFE CERTIFICATE.

Residence requirement, one semester or two summer terms, with credit of not less than fifteen hours (not including Physical-training Practice) eight hours of which (not including Physical-training Practice) must be earned in the session immediately preceding the issuing of the certificate.

Library Lectures, *no credit.*

Required in the freshman year.

Rhetoric and Composition..... 6 hours

The general regulation governing the work in English should be observed. (See page 48.)

EDUCATION:

Elements of Psychology..... 3 hours

Students who have had psychology in high school will take Elementary Educational Psychology.

Elementary Instruction or Rural-school Instruction ..... 3 hours
Occupational (for example, Agriculture)..... 24-28 hours
Supervised Teaching in occupational subject..... 6 hours
Elective, under direction of head of department in which special certificate is desired..... 18-14 hours

Total (not including Physical-training Practice), 60 hours
Physical-training Practice, each semester..... 1 hour

TWO SPECIAL CERTIFICATES WITHOUT THE LIFE CERTIFICATE.

Two special certificates without the life certificate may be obtained in five semesters, or four semesters and two summer terms.

Residence requirement, one semester or two summer terms, with credit of not less than fifteen hours (not including Physical-training Practice) eight hours of which (not including Physical-training Practice) must be earned in the session immediately preceding the issuing of the certificate.

Library Lectures, *no credit.*

Required in the freshman year.

Rhetoric and Composition..... 6 hours

The regulation governing work in English should be observed. (See page 48.)

EDUCATION:

Elements of Psychology..... 3 hours

Students who have had psychology in high school will take Elementary Educational Psychology.

Occupational, for first certificate (for example, Agriculture) .....28 hours
Occupational, for second certificate (for example, Manual Training) ..... 24-28 hours
Supervised Teaching, for each certificate, 3 hours.. 6 hours
Elective ..... 8-4 hours

Total (not including Physical-training Practice), 75 hours
Physical-training Practice, each semester..... 1 hour

TWO SPECIAL CERTIFICATES AND THE LIFE CERTIFICATE.

Residence requirement of one semester or two summer terms, with credit of not less than fifteen hours (not including Physical-training Practice), eight hours of which (not including Physical-training Practice) must be earned in the session immediately preceding the issuing of the certificate.

The requirements are as follows:

Library Lectures, *no credit.*

Required in the freshman year.

Rhetoric and Composition..... 6 hours

The general regulation governing work in English should be observed. (See page 48.)

English Literature or Oral English..... 3 hours

EDUCATION:

Elements of Psychology..... 3 hours

Students who have had psychology in high school will take Elementary Educational Psychology.

Elementary Instruction or Rural-school Instruction ..... 3 hours
Educational Measurements I..... 2 hours
Occupational, for first certificate.....24 hours
Occupational, for second certificate.....24 hours
Supervised Teaching, for each certificate, 3 hours.. 6 hours
Elective ..... 4 hours

Total (not including Physical-training Practice),75 hours
Physical-training Practice, each semester..... 1 hour

THREE-YEAR STATE CERTIFICATE.

This certificate is given to persons—

1. Who are at the time of entrance graduates of an accredited high school.
2. Who submit college credit of thirty semester hours, as outlined below, in addition to one hour credit in Physical-training Practice for each semester in residence.
3. Who have been in residence one semester.
4. Who earn fifteen hours credit in addition to required credit in Physical-training Practice.

Of the fifteen hours of residence credit at least eight hours must be earned in the session immediately preceding the issuing of the certificate.

High-school exemptions are allowed in these requirements, excepting in English, methods of instruction, and physical training. Persons claiming exemption from any requirement should submit not less than one-half year's high-school work in the subject where exemption is desired.

The requirements are as follows:

Library Lectures, *no credit.*
Required in the first semester.

Rhetoric and Composition I..... 3 hours
The regulation governing work in English should be observed. (See page 48.)

Psychology		3 hours
Elementary Instruction or Rural-school Instruction		3 hours
Advanced Arithmetic		4 hours
Geography		3 hours
American History or Government		3 hours
Physiology		3 hours
Music	4 hours	4 hours
Drawing	4 hours	
Home Economics	4 hours	
Manual Training	4 hours	
Commerce:		
Penmanship	2 hours	
Bookkeeping	3 hours	

The full requirement of four hours should be satisfied in one department.

Elective	4 hours
Physical-training Practice (each semester)	1 hour
Total (not including Physical-training Practice)	30 hours

ONE-YEAR STATE CERTIFICATE.

This certificate is issued any person—

1. Of high-school rank who submits sixteen units of credit in specified courses from the Roosevelt High School.

A student entering the Roosevelt High School from another high school must be in residence one semester or two summer terms and submit a minimum of four units of credit, the requirement being sixteen units of credit in specified courses.

English, 3 units.
Algebra, 1 unit.
Plane Geometry, 1 unit.
Bookkeeping or Arithmetic, ½ unit.
Botany or Agriculture, 1 unit.
Physics or Chemistry, 1 unit.
Physiology, ½ unit.
Geography, ½ unit.
History, 1 unit.
Civics, ½ unit.
Psychology, ½ unit.
Methods and Management, ½ unit.
Physical-training Practice, ½ unit.
Elective, 4½ units.

2. Of college rank who submit fifteen hours of residence credit in college courses in which high-school work does not meet the requirement in addition to the requirement in Physical-training Practice.

   Of this requirement of fifteen hours not less than eight hours, not including the Physical-training Practice requirement, must be earned in the session immediately preceding the issuing of the certificate.

A *special regulation* provides that this certificate be issued to any person—

1. Who is at the time of entrance a graduate of an accredited high school.
2. Who does eight and one-half hours of *residence* work in the spring or summer term immediately preceding the issuing of the certificate.
3. That no person may be an applicant for more than a *second* certificate of this grade.
4. Who is not less than eighteen years of age.

COLLEGE COURSES.

For purposes of classification, college courses are divided into Junior College and Senior College. The work of the freshman and sophomore years makes up the Junior College; that of the junior and senior years, the Senior College.

Courses of Junior College grade listed in this catalogue bear numbers from 1 to 49, inclusive; courses of Senior College grade bear numbers from 50 to 99, inclusive.

No Junior College course will be offered unless registered for by twelve students; no Senior College course unless registered for by seven students.

No student having less than thirty hours of college credit in Junior College courses may be admitted to a Senior College course. (This is to be interpreted to mean that when a department admits freshmen to a given course of Senior College rank this course must be ranked as a Junior College course.)

All candidates for a diploma conferring a degree must submit forty hours of Senior College credit.

At least one-third of the credit required for a major in any department shall be of Senior College grade.

A Senior College student who takes any course required in the freshman year is given only half of the credit of the course.

Agriculture.

Professor PHIPPS.
Instructor WELCH.

A special certificate to teach agriculture in the elementary school and high school is issued. For requirements see page 50.

But half of the four-hour courses is given in the summer term.

1.—AGRONOMY. Four hours credit. Summer term, and each semester. This is a general course in the study of field crops; grain judging; crop improvement; crop rotations, crop and soil management; marketing and storage of grains; uses of grains, etc. This course forms the basis of the teaching of elementary agriculture.

2.—ANIMAL HUSBANDRY. Four hours credit. Summer term, and each semester. This is a general course in the study of farm animals. It covers the types and breeds of farm animals; feeding; care and management of herds; live-stock improvement; judging of common breeds; inspection trip to near-by barns; common diseases; their prevention and control. This course forms the basis of the teaching of high-school animal husbandry work.

3.—DAIRYING. Two hours credit. Summer term, and each semester. This is a general course in dairying, and covers the field that should be developed in teaching high-school dairying. It includes a study of the breeds of dairy cattle; judging, care and management of dairy herds; the production of clean milk and cream; the by-products of milk; state

and United States dairy laws, etc. A large part of the time is spent in laboratory work with dairy products, dairy machinery, and dairy inspection.

4.—Feeds and Feeding. Two hours credit. Second semester. Prerequisite, Animal Husbandry. This course includes a study of plant growth and animal nutrition; feeding standards and rations; feeding stuffs; manurial values of feeding stuffs; principles of feeding farm animals; and general problems in animal production.

5.—Horticulture and Forestry. Four hours credit. Second semester. This course includes a study of large and small fruits; vegetables; care and management of orchards; sprays and spraying; pruning; diseases, their prevention and control, etc. A brief study of forestry, farm woodlots; building materials, posts, etc; and the preservation of wooden building materials.

6.—School and Home Gardening. One hour credit. Summer term, and each semester. A general course in school and home gardening. City gardening and garden clubs are studied. Students are assigned gardens in the city of Emporia to supervise, and practical experience is gained in this way. Laboratory work is done with the model gardens and campus, under direction of Mr. Phipps.

7.—Rural-school Agriculture. Two hours credit. Summer term, and second semester. This course is designed for rural-school teachers. It covers the whole field of rural-school agriculture, school and home projects in agriculture, and school extension work in agriculture. All rural-school teachers desiring a general course in agriculture should choose this one.

8.—Market and Breeding Types and Classes of Live Stock. Two semester hours. Second semester. Prerequisite, Animal Husbandry. This is a general course in judging horses, beef cattle, dairy cattle, sheep and swine. Both market and breeding types of live stock are included in the work of this course. Judging will be done on adjacent farms, breeding estates, at sales and fairs. Gay's Principles and Practice of Judging Live Stock and Vaughn's Types and Market Classes of Live Stock are used as texts.

50.—Soils. Three hours credit. Summer term, and each semester. A general course in soils, their properties and management. It includes a study of soil types and their improvement. A large part of the time is spent in laboratory work in exercises and experiments with soils.

52.—Farm Management. Four hours credit. First semester. Prerequisite, major work in agriculture. This course includes a study of types of farming; kinds of farming; crop and live-stock problems in farming; managerial problems in farming; farm capital; farm labor; systems of farm rental; farm equipment; farm layout; problems in marketing; farm accounting; choice of a farm region, and choice of the farm. An advanced course for major students.

53.—Landscaping. One hour credit. On demand. Prerequisite, School and Home Gardening. This course includes a study of the arrangements of trees, shrubs, flowers, etc., on school, home, and public grounds, and the combinations of plants for best landscape effect. Designing school and home grounds and landscape plans form the principal lines of work in this course. For students majoring in agriculture.

Art.

Professor GRIDLEY.
Instructor ECKDALL.

A special certificate to teach drawing in the elementary school and high school is issued. For requirements see page 44.

1.—FREE-HAND DRAWING. Four hours credit. Free-hand outline drawing. Principles of perspective; elementary composition, including decorative rendering in outline, flowers, landscape and still life.

2.—INDUSTRIAL ART FOR PRIMARY TEACHERS. Five hours credit. Elementary free-hand drawing, methods of using water color, and colored crayons, design, blackboard illustration, weaving, modeling, paper-cutting and lettering.

3.—FREE-HAND DRAWING II. Five hours credit. Prerequisite, course 1. Free-hand mass drawing in charcoal and water color. Principles and practice of design. Problems involving the principles of rhythm, balance and schemes developed and original compositions in landscape, still life and nature forms, rendered with the brush in water color and tempera, also, in colored crayon and paper cutting.

10.—INDUSTRIAL ART FOR INTERMEDIATE TEACHERS. Two hours credit. Prerequisite, course 1. Problems adapted to children from the fourth to the sixth grade involving design, the use of water color, colored crayons, simple color harmonies, modeling, weaving, etc.

11.—INDUSTRIAL ART FOR HIGH-SCHOOL TEACHERS. Three hours credit. Prerequisite, course 3. Problems similar to those given in course 10, but adapted to high-school students, also, instruction and practice in applying designs to the processes of silversmithing, leather tooling, etc.

12.—INDUSTRIAL ART FOR RURAL TEACHERS. Three hours credit. Problems in weaving, paper cutting, colored crayons, etc.

13.—BLACKBOARD DRAWING. Two hours credit. Prerequisite, course 1. Practice in blackboard drawing using chalk and charcoal. The purpose of the course is to give facility with the chalk for general illustrative purposes in the classroom.

14.—CLAY MODELING I. Two hours credit. Problems suitable for the lower grades.

15.—CLAY MODELING II. Two hours credit. Advanced pottery problems and modeling from the cast.

16.—RAFFIA BASKETRY. Two hours credit. Instruction in weaving raffia mats, baskets, trays, etc.

17.—REED BASKETRY. Two hours credit. Instruction in reed weaving.

19.—COMMERCIAL DESIGN. Two hours credit. Summer term, and first semester. Instruction and practice in decorative lettering and poster design.

20.—PICTURE STUDY IN THE GRADES. Two hours credit. Methods of interesting children in good pictures.

51.—ADVANCED STUDY OF LIGHT AND DARK VALUES. Two hours credit. Prerequisite, course 3. Advanced problems in composition rendered with charcoal and brush in dark and light. Still life, nature and landscape forms.

52.—ADVANCED STUDY OF COLOR VALUES AND HARMONIES. Two hours credit. Prerequisite, course 3. Advanced problems in color harmonies and composition, rendered in water color, still life, landscape, flowers, etc.

55.—Interior Decoration. Two hours credit. Prerequisite, course 3. Fundamental principles regarding the interior arrangement of the home and its decoration. The study of furniture and the choice of it for the home. The study of color in its relation to walls, pictures, draperies and floor coverings. Elevations of walls showing spacings, color schemes, draperies, placing of furniture, etc., are designed and drawn in color by the students.

56.—History of Art I. Two hours credit. Second semester. A brief survey of the history of architecture.

57.—History of Art II. Four hours credit. Second semester. A study of the history of modern painting.

58.—History of Art III. Two hours credit. First semester. A brief study of American art.

62.—Art Appreciation. Three hours credit. A study of art with reference to recognized principles as applied to architecture, sculpture and painting.

Manual Art.

Professor Braucher.
Instructor ————.

The courses in manual training are outlined with the purpose of giving all teachers who can avail themselves of the opportunity a thorough general knowledge of the subject as used in our public schools as a means of general education. The courses are elective and open to all students who may wish to prepare for teaching handwork in schools. For the purposes of superintendents and principals, and candidates for the certificate of special proficiency in rural-school teaching, the general courses may be modified to meet the particular needs of the individuals electing them. Students majoring in agriculture, physics, or mathematics may also have the general courses modified to meet their particular needs. The rapid reorganization of thought and practice in connection with trade and vocational education is making a great change in the requirements of persons contemplating teaching in courses in manual arts, adding particularly a considerable amount of shop or trade experience. Students preparing for positions under the Smith-Hughes act relating to state and Federal aid will find it greatly to their advantage to have had one or more years of actual experience in the trade or industry which he seeks to teach. After September 1, 1918, therefore, students enrolling in the courses in this department will be expected to have had or to secure during or after the period of instruction an increasing amount of actual trade or shop experience, up to a maximum of three years, after September 1, 1920. Those preparing for the certificate without this experience will find opportunities for future employment greatly reduced by such lack of experience. The courses in drawing and woodwork are arranged in their order of sequence, and should be taken in their regular order unless special reasons show a need for changing it.

A special certificate to teach manual training in the elementary school and in high school is issued. For requirement for this certificate, see page 55.

But half of the four-hour courses is given in the Summer Term.

1.—MECHANICAL DRAWING. Four hours credit. Summer term, and each semester. Prerequisite, Plane Geometry. A course in the elements of mechanical drawing, beginning with the geometrical constructions and dealing with orthographic, isometric and cabinet projections, surface developments, intersections, shadows, etc. Working drawings are required to give training in the application of mechanical drawing to accurate expression in the industries. An effort is made to get practical results, while at the same time giving as much of the theoretical principles as the time will permit. Supplies, $2.50 per semester. (Braucher.)

2.—WOODWORKING. Four hours credit. Summer term, and each semester. Prerequisite, course 1. A course in elementary woodworking for mature students who have some ability and training in the use of woodworking tools, but have not applied this skill to preparation for manual training. The work at the bench will include exercises in designing and making problems suited to manual training for children in the grades, to give a knowledge of work suitable for the beginner. The course in woodworking is adapted to the needs of rural-school teachers when desired. Deposit for supplies, $2 to $5.

4.—FARM CARPENTRY. Four hours credit. Summer term, and each semester. A course in the elementary principles and practices in building construction, involving framing, bracing, strength and combination of materials to withstand strains and carry loads. Careful study of the principles and uses of the steel square, with exercises in typical application, in laying out rafters, braces, etc. (Braucher.)

5.—SHOP MATHEMATICS. Three hours credit. Summer term, and each semester. Prerequisite, high-school mathematics. A course in the application of arithmetic and higher mathematics to shop and other construction problems. (Braucher.)

9.—JOINERY AND CABINETMAKING. Four hours credit. Summer term, and each semester. Prerequisite, courses 1 and 2. A course in advanced woodworking, dealing with more extensive problems in wood construction in which a large use is made of joints and panels. Problems requiring student initiative and adaptation will be assigned, involving practical applications of constructive design and the selection of appropriate principles of construction. Deposit for supplies, $3 to $6.

10.—WOOD TURNING. Four hours credit. Summer term, and each semester. Prerequisite, sixteen hours manual training. A course in wood turning, beginning with elementary exercises in spindle turning, with applications. Some problems in face-plate and chuck work will be given, together with as wide application of the work to practical construction as time will permit. Deposit for supplies, $2 to $5. (Braucher.)

11.—FURNITURE CONSTRUCTION. Four hours credit. Summer term, and each semester. Prerequisites, mechanical drawing, woodworking, and joinery and cabinetmaking. The study of periods and styles of furniture, with the application of design to furniture construction. Several typical pieces are designed, and one or more made in the shop. Students pay for material used. (Braucher.)

12.—PRINTING.* Four hours credit. Summer term, and each semester. Prerequisite, rhetoric and composition. A course in the elements of printing, the history and development of printing and modern related inventions; printing and typography defined, trade terms and uses of equipment, lay of cases, point system, use of stick, composing rule, syllabication and punctuation; proof marks—meaning and use; qualities of paper, size, cost, cutting and choosing; job designing, advertisement writing and display; qualities of inks, their use, and the mixing of colors;

* May be submitted for any certificate or diploma excepting the diploma conferring the degree of B. S. in Education.

care of rollers, lectures on composing machines, presses, electrotyping, stereotyping, lithographing, half tones and zincs; practice in composition, feeding platen presses, make ready and imposition.

13.—Typography and Press Work. Four hours credit. Summer term, and each semester. Prerequisite, printing. Continuation of printing, speed in composition and press work will be emphasized in this course. Study and work on the cylinder press and the elements of the linotype. All styles of composition in job and advertising will be included. A short study will be made of the purpose of printing in the school and the different methods of teaching it, review of textbooks and the equipment of the school shop.

20.—Wood Finishing. Two hours credit. Prerequisite, sixteen hours of manual arts credit. A study of materials, methods and formulæ for proper finishing of wood for various conditions to secure artistic effect.

50.—Theory and Practice. Two hours credit. Summer term, and second semester. Prerequisite, sixteen hours manual training. A methods course, required of students expecting to qualify for manual training certificate, and offered to advanced students of education, without the prerequisites, who wish to learn something of the content of manual training for administrative purposes. No tool work is offered in this course, but the time will be given to reading, reports, and discussions of the theory and practice of manual training in education. Courses of study, textbooks, equipments, supplies, etc., are studied.

Biology and Geology.

Professor Wooster.
Associate Professor Agrelius.
Instructor Billig.

The Science of Organisms—Zoölogy.

1.—Animal Ecology. Five hours credit. Each semester. Classes meet in laboratory and recitation daily. This course includes the work given in Field Zoölogy and Animal Life on birds and insects, and elementary study of animal development and method of survival in the struggle for existence. It is especially intended for those who have taken an equivalent course in zoölogy.

1*a*.—Field Zoölogy. Two hours credit. First half of first semester and second half of second semester. Classes meet in laboratory and recitation daily. This course is intended for those who have taken an equivalent course in zoölogy in the high school, and desire to gain a knowledge of insects and birds for use in nature study, agriculture and other natural history work. Methods of teaching science in the grades are given with this course. The course may be taken also during the first half of the first semester and during the second half of the second semester as a part of Animal Ecology.

1*b*.—Animal Life. Three hours credit. Second half of first semester and first half of second semester. This course is given as a part of the course in animal ecology, and may be used as a methods course for teaching science in the grades or in high schools. It is an ideal course for the study of the philosophy of life and of living.

4.—Principles of Biology. Five hours credit. Each semester. Classes meet in laboratory and recitation daily. This course includes the work given in Vocational Botany and Systematic Zoölogy, and embraces a study of the structure and functions of representative animals and plants and of their relationships to the home, shop, garden and farm. This course also gives a study of the embryology, development and evolution of plants and animals.

4*a*.—Vocational Botany. Two hours credit. Summer term, first half of first semester, and second half of second semester. Classes meet in recitation and laboratory work daily. In this course plants are studied in their home, shop, garden and farm relations with a minimum of pure botany. Nearly fifty experiments are performed by members of the class to show soil relations of plants, their methods of food making and their specific usefulness to man.

4*b*.—Systematic Zoölogy. Three hours credit. Second half of first semester and first half of second semester. This course is regularly given as a part of the course in economic biology, and gives a brief but fairly satisfactory study of the development or evolution of animal life. It also emphasizes the importance of a knowledge of the various pathogenic forms of animals, especially those which seriously endanger human health and that of the domestic animals.

Environmental Science—Geology.

7.—Geology of Kansas. Two hours credit. Summer term. Daily, laboratory and recitation. This brief course in Kansas geology comprises studies in soil, climate, forest, and the subjacent rock formations with their included forms of extinct life; and the geological work of wind, rain, air, moisture and running water, all with especial reference to understanding the physical features of our state.

50.—Geology of the United States. Five hours credit. Each semester. Prerequisite, course 1 or 4. Some knowledge of zoölogy is desirable as a preparation for the second half of this subject. Geology comprises a study of the dynamical, structural and historical geology of our country, and includes laboratory and field work. It is a very necessary preparation for the teaching of physical geography and for the full understanding and enjoyment of all natural scenery.

The Scientific Method—School Science.

8.—Nature Study. Two hours credit. Summer term. The course in nature study treats of the methods of teaching natural history in the grades, and will be illustrated with numerous nature-study lessons.

15.—Elementary Science. Two hours credit. Summer term. The selection of subject matter and the best methods of presentation for the different grades is emphasized. The work includes plant and animal life, physics, chemistry, hygiene, and sanitation in their elementary phases as they affect the life of the child in relation to his environment. The topics are considered from the standpoint of their relation to the course of study and to the other subjects in the curriculum. Emphasis is laid upon the social and economic phases of the subject.

51.—Elements of the Sciences. Three hours credit. Each semester. This course is intended to give a general preparation for teaching general science in the junior high school. It includes methods of teaching the biological sciences in the high schools, as well as full discussions of science teaching in general and lessons on the subject matter.

Botany and Bacteriology.

Associate Professor Agrelius.

9.—Developmental Botany. Five hours credit. Summer term, and each semester. This course includes the following divisions, which may be taken either one without the other, but preferably as a whole. Deposit, seventy-five cents.

9*a*.—Developmental Botany of Spore Plants. Two hours credit. Summer term, first semester, and first half of second semester. This

course includes a systematic study of the lower plants from the simplest upward, ending with the appearance of seeds. Special emphasis is placed on the forms of particular importance, such as the bacteria and the other fungi. It should be accompanied by course 9*b*.

9*b*.—Developmental Botany of Seed Plants. Three hours credit. Summer term, first half of first semester, and second half of second semester. This includes the study of seed plants. It begins with the seed and its germination and follows the developing plant through its various stages, including maturity. Special attempt is made to give the course cultural and economic value. It supplements the previous course, but is a unit by itself.

10.—Plant Anatomy. Four hours credit. First semester. Prerequisite, course 9 or its equivalent. Includes a study of the tissues of plants in relation to their function. A set of microscope slides is prepared. These are of much use in presenting the subject of botany in high schools. Deposit, $1.

11.—Plant Nature Study. Two hours credit. Summer term, and each semester. Prerequisite, High-school Botany, or its equivalent. The phases of plant life which may be profitably presented in the grades are determined. The modes of presenting such work and the literature useful in teaching the subject, are studied.

52.—Plant Physiology. Three hours credit. Second semester. Prerequisite, course 9 or its equivalent. This course embraces a study of the vital processes of plants—absorption, excretion, circulation, respiration—and is intended as a preparation for this phase of botany teaching in the high school. It deals with practical phenomena. Deposit, $1.

53.—Systematic Botany. One to five hours credit. Summer term, and first semester. Prerequisite, course 9. The classification of plants, especially those of the local flora; the preparation of an herbarium. Intended to acquaint teachers and others with the common and scientific names of the more familiar plants, and to enable them to identify those less familiar; to assist teachers, especially of rural communities, in arousing an interest in their pupils for their local environment. Especially helpful to teachers of nature study. Deposit, $1.

A maximum credit of six hours may be allowed any student for graduation.

12.—General Bacteriology. Three hours credit. Summer term, and first semester. This is a general course in bacteriology. It includes the preparation and use of ordinary and special media and stains, and other bacteriological technique, and a study of the distribution, dissemination, classification and identification of bacteria. Special attention is given to those forms causing disease in man and other animals, and to immunity from these organisms; to water supplies; the disposal of sewage; and to individual and community hygiene. Deposit, $2.

13.—Agricultural Bacteriology. Three hours credit. Second semester. This consists chiefly of laboratory work, and includes methods of growing and staining bacteria; a study of the kinds of special interest to the farmer because of their relation to soil formation and fertility, to disease in live stock, and dairy and other farm products. Deposit, $2.

14.—Household Bacteriology. Three hours credit. Second semester. This treats of the preparation of media for growing bacteria and molds; of the staining of these organisms; of their forms and functions; and of their relation to the home. It includes the preservation of fruit; the effect of bacteria on milk, butter and other foods; the location of wells and the care of the same; the disposal of wastes; and the lighting and furnishing of the home as affecting the health of its occupants. Deposit, $2.

Chemistry.

Professor Mayberry.

The Chemistry Department occupies commodious quarters in Norton Science Hall. In addition to a large lecture room with a demonstration table there are two well-lighted laboratories, a weighing room, a storeroom and an office. Recently much valuable apparatus has been installed and such supplies purchased as will permit of the very highest grade of work in all lines of analytical chemistry. The object of the department is to give students a clear insight into this very important science and at the same time train teachers for successful instruction in our best high schools and academies. A fee is charged in each course to cover the actual cost of chemicals and breakages.

1.—Essentials of Chemistry. Five hours credit. Summer term, and each semester. This is a course in inorganic chemistry. It includes a study of the fundamental principles and laws of the science, with a detailed study of both nonmetallic and metallic elements. Much practice in writing reactions and solving chemical problems is given. General experiments and demonstrations accompanying the daily recitations, and a minimum of four hours a week laboratory work is required.

2.—Inorganic Chemistry. Five hours credit. Each semester. Prerequisite, course 1. The work covered is practically the same, but of more advanced nature, intended for those who wish to teach chemistry or desire a more extended knowledge of the subject.

3.—Qualitative Analysis. Five hours credit. Summer term, and each semester. Prerequisite, course 2. This course covers the detection of metallic and nonmetallic ions and the analysis of salts and ores. It is almost wholly a laboratory course. A minimum of eight hours laboratory work and one hour recitation each week is required.

4.—Organic Chemistry. Three hours credit. Second semester. Prerequisite, course 2 and if possible, course 3. Must be accompanied by course 5. The aim in this course is to give a comprehensive view of the various classes of hydrocarbons and their derivatives through the study of some selected types.

5.—Organic Analysis. Two or three hours credit. Second semester. Must accompany course 4. There are two divisions in this course. Many experiments of a general nature are included in both divisions.

5*a*.—General Analysis. Two hours credit. A course designed for students in agriculture and for those interested in a general college course.

5*b*.—Food Analysis. Three hours credit. A course designed for students in home economics and those interested in the analysis and tests of food.

6.—Chemistry of Textiles. One hour credit. Summer term, and each semester. Prerequisite, course 1. The simple analysis of forty-five to fifty samples of textile fabrics to determine the quantities of cotton, wool, silk or linen. Attention is given to the distinction between true and artificial silks and to the weighing of fabrics.

50.—Quantitative Analysis. Five hours credit. Summer term, and each semester. Prerequisite, course 3. This course includes both gravimetric and volumetric methods of quantitative analysis. It is a laboratory course, requiring a minimum of eight hours laboratory work and one hour recitation each week.

51.—Special Analysis. Three hours credit. Prerequisite, course 50. A course intended for students desiring to work out problems in rock, soil, food, etc., analysis. The work is arranged to suit the needs of individual students.

Commerce.

Professor Parke.
Instructor Spencer.

This department aims (1) to prepare teachers to organize and conduct commercial courses in high schools; (2) to train teachers and supervisors of penmanship; (3) to offer elective courses for those who wish to obtain some knowledge of business subjects as a part of their general education.

The degree of Bachelor of Science in Commerce is issued by the state, authorizing the holder to teach in Kansas high schools both commercial branches and any other subjects for which his preparation qualifies him. For requirements see pages 19 and 20.

Students who are candidates for the degree of Bachelor of Science in Education and desire to major in commerce should include in their major the following:

Accounting	9 hours
Law	8 hours
Business Organization	2 hours
Office Practice and Procedure	2 hours
Penmanship	2 hours
Ec. and Ind. Geography	3 hours
Principles of Economics	3 hours
Commercial Arithmetic	2 hours
Prin. and Meth. in Commercial Education	2 hours
Office Management and Business Correspondence	2 hours

A *minor* of fifteen hours may be selected from any other department.

Shorthand and typewriting are strongly recommended. They are counted toward the degree of Bachelor of Science in Commerce (see page 47), and on the special certificate (see page 54), but do not apply on the degree of Bachelor of Science in Education. The demand for teachers of shorthand and typewriting is very strong.

A special certificate to teach commercial subjects in the elementary and high school is issued for two years' work. For requirements see page 53.

Civil Service and Office Courses. Students may take work through one year or more leading to preparation for the civil service of Kansas or of the United States and for office work as stenographers, secretaries and bookkeepers upon payment of a small fee in addition to the regular incidental fees. For further information regarding these courses write or confer with the head of the department.

In the accounting courses instruction is given in the use of business papers, in business customs, and in business management. Students are also familiarized with the state texts in bookkeeping used in Kansas high schools.

1.—Elementary Accounting. Three hours credit. Summer term, and each semester. This course serves as an introduction to the field of accounting. Single entry, double entry, trial balance, balance sheet, cost

and income or profit and loss statements, closing the books, special books, special columns in books, subsidiary ledgers, and controlling accounts. The course is given by textbooks, lectures, and practical problems and exercises.

3.—MERCANTILE ACCOUNTING. Three hours credit. Summer term, and each semester. Prerequisite, Elementary Accounting, or a year of High-school Bookkeeping. Shows the application of accounting principles to various lines of mercantile business. Practical sets of transactions are worked out and practical problems solved.

5.—FARM ACCOUNTING. Two hours credit. First semester. A practical system of keeping farm accounts, so devised as to show the condition, progress, and results of the farm business as a whole and in each of its departments. A course useful to students in agriculture as well as to those in commerce.

6.—BANK ACCOUNTING. Two hours credit. First semester. Prerequisite, Elementary Accounting. Organization, management, and functions of banks. Books are opened from statements of a bank already in operation, transactions entered, and statements made. Forms of books and statements of different banks studied and compared.

8.—WHOLESALE ACCOUNTING. Three hours credit. Second semester. Prerequisite, Elementary Accounting. Emphasis is placed upon the classification of accounts and the interpretation of business statements.

14.—BUSINESS LAW I. Three hours credit. Summer term, and each semester. It is the aim in this course to teach those principles of law that give one an intelligent idea of his legal rights and limitations in business dealings. The law of contracts, sales, commercial paper, agency, partnership, corporations, and real estate, are among the topics studied. Drills are given in writing legal paper. Constant reference is made to Kansas statutes and court decisions.

17.—ELEMENTARY STENOGRAPHY.* Five hours credit. Each semester, Gregg system. Emphasis is placed upon mastery of principles and correct formation of characters and outlines. Much drill is given in reading shorthand as well as in writing ordinary business and literary matter.

18.—ADVANCED STENOGRAPHY.* Five hours credit. Each semester, Gregg system. Prerequisite, Elementary Stenography. Special contractions and shorthand principles, phrasing, and daily dictation, with reading and transcription of notes. Emphasis is placed upon accuracy and readiness in transcribing.

19.—SHORTHAND SPEED PRACTICE.* Two hours credit. On sufficient demand. Prerequisite, Advanced Stenography. Dictation of difficult matter, use of dictaphone, discussion of office routine.

22.—ELEMENTARY TYPEWRITING.* Three hours credit. Summer term, and each semester. Beginning with the mastery of the keyboard by the touch method, the student is led by a series of progressive exercises to the acquisition of practical speed and accuracy in writing ordinary business and literary matter. Laboratory fee, $4.

23.—ADVANCED TYPEWRITING.* Two hours credit. Second semester. Prerequisite, Elementary Typewriting. Drill is given in writing from copy and from dictation, and in various lines of office work. Laboratory fee, $2.

24.—OFFICE PRACTICE AND PROCEDURE. Two hours credit. Summer term, and each semester. Prerequisite, course 22. This course seeks to present useful information concerning the work of the stenographer,

* These courses may be submitted for any certificate and for the diploma conferring the degree of Bachelor of Science in Commerce or Bachelor of Science in Music, but not for the diploma conferring the degree of Bachelor of Science in Education.

clerk, and office assistant; to systematize practice in the commoner secretarial duties, such as correspondence, handling the mail, writing business and legal papers, indexing, filing, reference work, proof reading, editing copy, and the use of office appliances; and to indicate the principles of secretarial ethics and the ideals of secretarial service.

26.—PENMANSHIP. Two hours credit. Summer term, and each semester. Designed for supervisors and teachers of penmanship in elementary and high schools. Discussion of aims; a study of the psychology, physiology, and hygiene involved; development of muscular control, and of speed with legibility; scales, their function and value; blackboard illustrations; analysis and discussion of letters, singly and combined; recent experiments. The library is well supplied with books and articles by investigators and teachers, and to these the student is constantly referred.

51.—ADVANCED ACCOUNTING. Three hours credit. Second semester. Prerequisite, six hours of Accounting. This course is devoted mainly to a study of modern cost keeping, with attention to the distinctive features of corporation accounting, and a study of the form and interpretation of the balance sheet.

52.—ACCOUNTING PROBLEMS. Two hours credit. Second semester. Prerequisite, nine hours of Accounting. Accounting systems are studied and systems devised, with problems and exercises illustrating accounts and methods of various classes of enterprises. C. P. A. problems are largely used. The library is supplied with books and periodicals treating of accounting theory and practice.

55.—BUSINESS CORRESPONDENCE. Two hours credit. Summer term, and first semester. Prerequisites, course 24 and English 1*a*. The first half of this course gives a survey of the field of the office manager, his functions and duties. The second half offers practical training in the writing and dictating of business correspondence. Business situations are analyzed, letters classified into type forms, and the requisite of each class exemplified by many models. The dictaphone is largely used.

57.—BUSINESS ORGANIZATION. Two hours credit. On sufficient demand. It is advised that this course be preceded by principles of economics. Fundamental principles of business administration. The individual business man, the partnership, and the corporation. Extractive, manufacturing, and distributive industries. The various departments of a large business and their relation to one another. The market, advertising, credits and collections. The administrative department and accounting methods.

58.—SALESMANSHIP. Two hours credit. Second semester. There is at this time a lively interest in salesmanship as a school subject, particularly on the part of business men, and to meet this growing demand this course is offered. In this course the fundamentals of salesmanship are considered, including among the topics studied the salesman and his preparation; the process of a sale from its inception; the distinct forms of sales with typical problems.

60.—ELEMENTARY LAW. Three hours credit. Summer term, and first semester. Designed to give a general view of the American legal system. Among the topics studied are: Written and unwritten law; personal and property rights; criminal law; private wrongs; remedies for public and private wrongs, with an outline of court procedure. Statutes and court decisions are used freely. Valuable to students of history, government and economics, as well as of business subjects.

61.—BUSINESS LAW II. Two hours credit. Second semester. Prerequisite, Business Law I, or Elementary Law. An advanced course with emphasis on contracts and negotiable instruments.

62.—Principles and Methods in Commercial Education. Two hours credit. Summer term, and second semester. Prerequisite, twelve hours of Commerce. A teacher's course, including among other topics the following: Essentials of commercial education; the high-school commercial course, including subjects to be taught, order of presenting them, amount of work to be done in each, methods of teaching. Relation of the business course to the business community; adaptation of the course to the small, the medium, and the large high school, and to local conditions.

Education.

1.—Elements of Psychology. Three hours credit. (Psychology 1.)

2.—Elementary Educational Psychology. Three hours credit. (Psychology 2.)

3.—Child Psychology. Two hours credit. (Psychology 3.)

4.—Genetic Psychology I. Two hours credit. (Psychology 4.)

6.—Social Psychology. Two hours credit. (Psychology 6.)

7.—Genetical Psychology. Three hours credit. (Psychology 7.)

8.—Psychology of Religion. Three hours credit. (Psychology 50.)

9.—Educational Psychology. Three hours credit. (Psychology 52.)

10. Psychology of Adolescence. Three hours credit. (Psychology 53.)

11.—Abnormal Psychology. Two hours credit. (Psychology 55.)

12.—Vocational Psychology. Two hours credit. (Psychology 56.)

13. Genetic Psychology II. Two hours credit. (Psychology 57.)

14.—Rural School Administration. Two hours credit. (Rural School Administration 1.)

15.—Rural School Instruction. Three hours credit. (Rural School Administration 2.)

16.—Grade School Mechanics. Two hours credit. (Rural School Administration 3.)

17.—County Supervision. Two hours credit. (Rural School Administration 10.)

18.—State and County School Administration. Three hours credit. (Rural School Administration 50.)

19.—Foreign Rural School Systems. Two hours credit. (Rural School Administration 51.)

20.—Administration of Small Town and Rural High Schools. Three hours credit. (Rural School Administration 52.)

21.—Rural School Seminar. Credit to be determined. (Rural School Administration 53.)

22.—Educational Measurements I. Two hours credit. (School Administration 10.)

23.—The Junior High School. Three hours credit. (School Administration 12.)

24.—History of Education. Three hours credit. (School Administration 50.)

25.—Educational Measurements II. Two hours credit. (School Administration 52.)

26.—Supervision of Instruction. Two hours credit. (School Administration 53.)

27.—Principles of Education. Three hours credit. (School Administration 55.)

28.—Educational Administration. Three hours credit. (School Administration 60.)

29.—High School Administration. Two hours credit. (School Administration 62.)

30.—Educational Sociology. Three hours credit. (Sociology 52.)

31.—Kindergarten Play Materials. Three hours credit. (Kindergarten 3.)

32.—Handwork for the Kindergarten and Primary Grades. Three hours credit. (Kindergarten 4.)

33.—Kindergarten Plays and Games. Two hours credit. (Kindergarten 5.)

34.—The Period of Infancy. Three hours credit. (Kindergarten 6.)

35.—Kindergarten Program. Three hours credit. (Kindergarten 7.)

36.—Primary Methods. Four hours credit. (Primary 1.)

37.—Advanced Primary Methods. Three hours credit. (Primary 51.)

38.—Elementary Instruction. Three hours credit. (Teacher Training 1.)

40.—High School Instruction. Three hours credit. (Teacher Training 50.)

English.

Professor Barrett.
Associate Professor Birdsong.
Associate Professor Davis.
Instructor Askew.
Instructor Ryan.
Instructor Conrad.
Instructor Huffman.
Instructor Irwin.

For those majoring in English, course 60 is required, and courses 16, 17, 56 and 57 are especially recommended. They should take courses in English history as early as possible to furnish a background for their work in English literature. Expression I and other courses in the Public Speaking Department are almost essential to one who is preparing to teach English.

1*a*.—Rhetoric and Composition I. Three hours credit. Summer term and each semester. In this course there is a severe drill in the simpler technique of writing. The student is required to write constantly. Required of all students except those who are promoted to a more advanced course after having shown their ability to write. Open to freshmen and sophomores. If taken by juniors or seniors, only one and one-half hours credit will be given.

1*b*.—Rhetoric and Composition II. Three hours credit. Summer term and each semester. Prerequisite, course 1. In the written work of this course more attention is paid to effectiveness in writing and to niceties in style. Much reading of modern prose is required.

3.—Newspaper English I. Three hours credit. Summer term, each semester. Prerequisite, Rhetoric and Composition I. This is a study of

the form of composition of the news report. The development of a terse and powerful style is sought. Fully fifty per cent of the material written in this class reaches the printing press. This course may be taken as a part of the required work in composition.

4.—Composition for Women. Three hours credit. Summer term, and each semester. Prerequisite, Rhetoric and Composition I. This course in written and oral English may be offered as part of the required work in composition. Papers based upon personal investigation and library research work are required. Demonstrated talks along lines in which the student is especially interested are emphasized. The course fits the student for constructive work in English which she will meet in life, such as papers and talks before teachers' associations and clubs.

11.—American Literature. Three hours credit. Summer term, and first semester. Prerequisite, Rhetoric and Composition I. This course gives a general review of the history of American literature, but the emphasis is strictly placed on the classics. Methods in presenting the work in high school will be suggested. Much reading in the library is required.

12.—The Novel. Three hours credit. Summer term, and first semester. Prerequisite, Rhetoric and Composition I. A study is made of the rise and development of the novel. The structure of the novel is studied. An intensive study is made of some of the novels of Jane Austin, Scott, Dickens, Thackeray, George Eliot, Meredith, and Hardy.

13.—Current Literature. Three hours credit. Second semester. Prerequisite, Rhetoric and Composition I. In this course a study is made of some of the best new or recent poetry, essays, and fiction. Comparison is made with established models, and an effort is made to develop power of criticism. Current magazines and the library are used extensively.

14.—English Prose. Three hours credit. Second semester. Prerequisite, Rhetoric and Composition II or its equivalent. A study of English prose style is taken up in this course. The style of some of the leading prose writers of England and America are analyzed. Some effort is made to imitate the beauty and effectiveness of various writers in the composition work of the class.

15.—English Literature I. Three hours credit. First semester. Prerequisite, Rhetoric and Composition I. This is a general survey course in English literature down to the middle of the eighteenth century. Students are made acquainted with the leading writers through a study of their works.

17.—English Literature II. Three hours credit. Summer term and second semester. Prerequisite, Rhetoric and Composition I. The survey of English literature is continued for the middle of the eighteenth century to the close of the Victorian period. Though the work begun in course 17 is continued in this course, the former is not a prerequisite to the latter.

19.—Children's Literature. Three hours credit. Summer term, and first semester. Prerequisite, Rhetoric and Composition II or its equivalent. Consideration of methods of interesting children of grades 1 to 8 in good literature; principles of book selection; study of types of the best modern children's books by actual examination and reading.

50.—The Short Story. Three hours credit. First semester. Prerequisite, Rhetoric and Composition II or its equivalent. Both the constructive and literary sides of short story are emphasized. Various types are studied. An original story is written.

51.—Shakspere's Comedies. Two hours credit. First semester. Prerequisite, English Literature I. Eight of Shakspere's comedies are

read, chosen from the different types. Some attention is paid to the life and times of Shakspere and the development of his genius.

52.—SHAKSPERE'S TRAGEDIES. Two hours credit. Summer term, and second semester. Prerequisite, English Literature I. Most of Shakspere's tragedies are read and discussed. At least one of his greater tragedies is studied intensively.

53.—TENNYSON. Two hours credit. Summer term, and first semester. Prerequisite, English Literature II. A study of the author's characteristic poems.

54.—BROWNING. Two hours credit. Second semester. Prerequisite, English Literature II. This course includes all of Browning's short poems that are usually studied in schools, his dramas and selections from "The Ring and the Book."

55.—THE MODERN DRAMA. Two hours credit. Summer term, and second semester. Prerequisites, nine hours of composition and three hours of literature. About fifteen plays are studied, including some of Pinero, Fitch, Shaw, Jones, Yeats, Hofmanstahl, Brieux, Echegaray, Thomas, and others.

56.—EARLY DRAMA. Three hours credit. First semester. Prerequisite, English Literature I. The origin and development of the English drama is studied. The reading of many plays from the library is required.

57.—ENGLISH ROMANTIC POETS. Three hours credit. Second semester. Prerequisites, English Literature II. A general survey of the "romantic movement" is made. The poets considered are Wordsworth, Coleridge, Scott, Byron, Shelley and Keats.

58.—NEWSPAPER ENGLISH II. (The School Paper.) Three hours credit. Alternates with Newspaper English III. Second semester. Prerequisite, Newspaper English I. This is an advanced composition course in which emphasis is placed upon the writing of editorials and advance news stories and the editing of copy. A thorough drill in the technique of writing is given. The course includes the study of the organization, editorial direction, and business management of the school paper.

59.—NEWSPAPER ENGLISH III. (The Special Article.) Three hours credit. Summer term, and first semester. Prerequisite, Newspaper English I, or 90 hours. This is an advanced composition course in which teachers and school administrators are given instruction in the writing of special articles on their work, for publication in newspapers, periodicals and educational journals. Emphasis is placed upon the application of journalistic methods to pedagogical literature.

60.—TEACHING OF HIGH-SCHOOL ENGLISH. Two hours credit. Summer term, and second semester. Required of those majoring in English. Prerequisite, fifteen hours of college English. Various problems that confront the teacher of high-school English are taken up and discussed. The different types of literature are studied, and methods of presenting each are worked out. The teaching of composition and grammar in the high school is also taken up.

Geography.

Professor ATWOOD.
Instructor WILLIAMS.

1.—ECONOMIC INDUSTRIAL GEOGRAPHY. Three hours credit. Summer term, and each semester. A study is made of the distribution, development and conservation of the world's natural resources, and their relation to the growth and power of the great nations. The geographical

factors are emphasized which influence the location and growth of industrial regions, trade centers and routes, and commercial activities.

2.—North America. Four hours credit. First semester. A study of the physiography of the continent, and its influence upon the development of the nation. Emphasis is given to the distribution, development, and conservation of the natural resources of the United States, and their relation to industrial and commercial activities. The advantages of North America as the home of the greatest nation are noted.

3.—South America. Three hours credit. First semester. The geographical factors influencing the development of the nations of South America are studied. Consideration is given to the future progress of those nations as influenced by the physical advantages and disadvantages. The industrial regions, trade centers, and commercial activities of the continent are noted.

4.—Regional Geography. Two hours credit. First semester. Areas are selected in the Eastern Hemisphere in which are found similar geographic conditions. The factors determining the economic status and changes in the regions selected form the basis for study.

10.—Geography of Europe. Three hours credit. Second semester. The course includes a description of several regions, including the geology, topography, physiographic history, climate and resources. The influences of geographic conditions on industries, on the location and growth of cities, on distribution of people and on trade.

11.—Teaching Geography in the Junior High School and Intermediate Grades. Two hours credit. Summer term. The nature and scope of geography and its relation to other subjects is emphasized. Project problems suited to the grades are selected for the subject matter and for methods of presenting and working. Illustrative and graphic materials are obtained and used.

12.—Teaching Geography in Rural Schools. Two hours credit. Summer term. This course includes observation and nature study that is introductory to geography. Problems in geography suited to the intermediate grades are taken to give the subject matter and methods of handling the work. An industrial study of the local region is made.

50.—Relation of Geography to History. Three hours credit. Second semester. The geographic factors that controlled mediæval trade and trade routes, and led to the discovery of the Americas are noted. A study is made of how geography determined the location and growth of early settlements of America and stimulated the western movement of people in the United States and the growth of the United States to a world power.

51.—Advanced Physiography. Four hours credit. On demand. Prerequisite, high-school Physical Geography or its equivalent. Climate is a very important factor limiting man's accomplishments. Half the semester is given to a study of elementary meteorology and world climates. The types of land forms, their origin, growth and relation to man's interests are discussed. Subject matter is selected and methods for high-school teachers are considered. One hour a week of laboratory work is required.

History and Government.

Professor Williams.
Professor Ross.

The courses in history and government are planned to meet the needs both of the general student and of those wishing to specialize in the department. Courses 1 and 2 in European history, 1*a* and 1*b* in American

history, and course 1 in government, are suited to the student not specializing in history. They are also strongly recommended to those who desire to major in the department as introduction, and should precede all other courses in their respective fields.

EUROPEAN HISTORY.

1.—European History During the Middle Ages. Three hours credit. First semester. This course covers the period of history of Europe between the decline of the Roman Empire and the Renaissance in the fifteenth century. The period was preëminently an institutional epoch, when forms and customs were in the making. The course deals with the transition from the ancient to the mediæval world, the effects of the barbarian invasions; the growth of the Christian church; the feudal system; mediæval culture; and the beginnings of modern states and civilizations. Special attention is given in the course to a development of the historical point of view and in the use of source material. This course is considered fundamental to later work in history.

2.—Modern European History. Three hours credit. Summer term, and each semester. A general course dealing with the important phases of European history from the time of the Renaissance until the present. It treats of the Renaissance, the Reformation, the age of Louis XIV, the French Revolution and the Era of Napoleon, the Unification of Italy and Germany, and the Europe of to-day. This course should follow course 1.

3.—History of Greece. Three hours credit. First semester. Emphasis is laid on the artistic, intellectual, religious, social, economic and political life of the Greek people. Special attention is given to mythology as an aid to teachers in primary and secondary schools. The fundamental idea is kept in mind that the historical significance and importance of the Greeks in their contributions to the general civilization of the world is their development of a superior intellectual and æsthetic culture.

4.—History of Rome. Three hours credit. Second semester. This course traces the growth of the Roman state and people from the legendary period to the time of the incoming of the barbarian and the deliquescing of the empire. The real greatness of Rome, which forms a part of the world's possessions to-day—her monuments, her language and literature, her ideals of government, and her legal system—receive particular attention. Recommended to students majoring in Latin.

5.—History of England to 1603. Three hours credit. Summer term, and first semester. In this course the aim is to trace the great movements by which ancient England has become modern England and the forces which have given rise to these movements; the fusing of several races into the English people; the early English institutions, which were the germs of later institutions, and the social and economic life of the period receive consideration.

6.—History and Government of England from 1903 to the Present. Three hours credit. Summer term, and second semester. This course is a continuation of course 5. They should be taken in regular order, but with the consent of the department this requirement may be waived. The course deals with the successful working out by the English people of two great problems in government—that of self-government under free democratic forms, and that of governing remote dependencies. The development in the great fields of industry—manufacture and commerce—and the growth in social and intellectual progress are also studied.

9.—Problems of Reconstruction. Two hours credit. Summer term, and each semester. This course deals with the new conditions and

problems growing out of the recent World War. The birth of new nations and their past history, the determination of the peace terms, the working out of the League of Nations idea into a realized fact, readjustments which the nations must make to meet the new situation, are topics that come under the scope of this study.

13.—The History of Germany Since 1740. Two hours credit. First semester. This course deals with the more important events of German history from the ascension of Frederick the Great to the present time. The rise of modern Germany has long attracted the attention of American students, and the role she played in the World War makes her past and present a matter of special interest. The treatment of German life in all its aspects furnishes a good historical background for the student of the German language.

14.—The History of France. Two hours credit. Second semester. This course attempts to present the leading facts of French history from early Roman times to the present, and is especially recommended to students of the modern languages and Latin.

51.—Industrial and Social History of England. Two hours credit. First semester. Prerequisite, courses 5 and 6. This course is recommended to round out the study of English history. Mediæval rural and town life, trade and commerce, the economic changes of the fourteenth and fifteenth centuries that resulted in the breaking up of the mediæval system, the industrial revolution with its momentous results, the extension of government control shown in the factory laws, modification of land ownership, sanitary regulations and government industries, and the development of trade-unions, trusts and coöperation, are the principal topics of study.

52.—The Reformation. Two hours credit. Second semester. This course gives consideration to the general struggle between the old and the new order of things, the modern nations which were rising into power, and the need of reform before the revolt occurred. The individual reformers, together with the revolt and the counter-revolt in the various countries, are objects of study. The religious, political and economic results of the movement complete the study.

53.—The French Revolution. Two hours credit. Second semester. To understand the social, economic and political conditions in France which were outgrown, and the origin and growth of the revolutionary spirit, is quite as necessary as to trace the history of the destruction of abuse and the struggle for liberty and rights. The course offers a study in social psychology and the political theories of the time, as well as a history of the Revolution itself.

54.—Mediæval Institutions. Two hours credit. On sufficient demand. An intensive study of a number of problems in mediæval social, political and religious institutions.

55.—Eighteenth Century History. Three hours credit. First semester. This course presents a preparatory study for the history of the nineteenth century. It was the eighteenth century which set the problems of progress and suggested their solution. It was the nineteenth century that worked them out in detail and made their applications. This course will deal with the European struggles for colonial and commercial supremacy, the Old Régime in Europe, the forces working for reform; France before, during and after the Revolution, and the Napoleonic era down to the Congress of Vienna in 1815. The territorial changes, national policies, economic conditions and intellectual interests of this period form the basis for a fuller understanding of the nineteenth and twentieth centuries.

56.—The Nineteenth Century and After. Three hours credit. Summer term, and each semester. Prerequisite, course 1. This course begins with the reconstruction of Europe in 1815, and continues the history of Europe to the present. The ideas bequeathed by the French Revolution of social and political equality and freedom and the struggle for national unity and popular sovereignty are dominant factors in the period. The great economic, social and scientific changes which mark modern times are followed. The world problems and movements of to-day are studied through the newspapers and current periodicals. Reading, clipping, filing and reporting upon these current events form an interesting and valuable part of the course.

58.—Southeastern Europe. Two hours credit. Second semester. No portion of Europe presents such a museum of races or a finer laboratory of history. At no time since the beginning of the Eastern Question has the Balkan Peninsula been of such political and military importance. The object of the course is to study not only the national history and characteristics of the present states, but also the environment and civilization of the people represented in these states. The course well represents history in the making.

59.—The Teaching of High-school History. Two hours credit. Summer term, and each semester. Open, by consent of instructor, to sophomores. This course is intended to meet the needs of high-school teachers of history. It considers the nature and scope of history, the sources of historical knowledge, evidence and criticism, the past and present points of view in regard to the subject. The discussions cover the aims and values of historical study, the history program for the high school, materials and methods of instruction. Each student is expected to work out bibliographies for various history courses, criticize textbooks, select lists for library reference works, and report on current historical articles. Observation and criticism of high-school classes form an important part of the course.

60.—Seminar in History. One hour credit. Summer term, and second semester. Intensive study of a limited period or a special phase of social or political development with a view to training in historical method and use of the sources. Subjects vary from year to year.

AMERICAN HISTORY.

1*a*.—American History: Colonization and Union, 1492-1817. Three hours credit. Summer term and each semester. A general survey of American history from the discovery to 1817. The European background, colonization of North America by the English, the French, and the Spanish, the social, economic, and institutional development of the English colonies, the quarrel with Great Britain, the formation of the Union, and the foundations of a national policy, are particularly emphasized.

1*b*.—American History: National Development, 1817-1920. Three hours credit. Summer term, and each semester. A continuation of course 1*a*. The development of national consciousness, the colonization of the West, sectionalism, slavery, and disunion, the rise of industrialism and the new democracy, and American participation in world politics, are given emphasis.

2.—American History, 1789-1817. Three hours credit. Each semester. A course dealing with the organization of the national government, including a study of early political parties and the questions involved in foreign relations. Special stress is laid upon the economic, governmental and international conditions leading to the War of 1812. These will be carefully compared with similar conditions leading to the Great War of 1914.

3.—American History, 1817-1860. Three hours credit. Each semester. This is an era of great internal development. Economic questions arise with direct bearing upon the Rebellion. New movements, educational, political, philanthropic, religious, literary and governmental, characterize the period. This is better understood if preceded by course 2.

4.—Kansas History. Two hours credit. Second semester. The laboratory method is used to develop the following lines of research: The discovery, exploration and early settlement of Kansas; Kansas as Indian territory; the great struggle for a free or a slave state constitution; Kansas in our Civil War; changes and political evolution since the sixties; the part Kansas has played in the nation's progress in education, letters, philanthropy, resources, and constitutional interpretation. Definite readings, reports and papers are required.

5.—The Rebellion and Reconstruction. Four hours credit. First semester. The general facts underlying the precipitation of this conflict from the introduction. The war itself is studied by campaigns, with the attempt to discover the designs and methods of operation. The resources of the combatants, the armies, navies, supplies, means of transportation, etc., the finances, the attitude of foreign countries, are subjects of study. The problems of reconstruction, with all that is involved, the difficulties surrounding them, the ends sought, the methods of solving them and the consequences resulting from the least understood part of our nation's history.

5*a*.—Reconstruction. Two hours credit. Summer term.

51.—American History Since 1876. Three hours credit. Summer term, and second semester. This course stresses the leadership of the United States as a world power; her entrance into the World War; and her possibilities as a future leader of nations. Much attention is devoted to the modern social and economic problems with reference to recent policies of government.

52.—American Colonial History to 1763. Four hours credit. First semester. European conditions leading to our age of discovery, and the ancient life in America, are followed by a detailed study of the discoverers and explorers as expressive of the character, motives, methods, and result of European expansion in the fifteenth and sixteenth centuries. The planting of the individual colonies and the development of colonial institutions laid the foundation for the formation of the American nation.

53.—The American Revolution and Critical Period, 1763-1789. Three hours credit. Second semester. This story of the struggle of the colonies for independence and of the nation to realize itself in government is a dramatic one. One sees a nation in the making and the process by which it builds great principles into its form of government.

54.—Latin America. Two hours credit. Summer term, and first semester. A general survey of the history of the Latin-American countries. Spanish and Portuguese colonization, the era of the Revolution, the rise of the republics and the growth of their peculiar institutions—political, social, and economic—and their relation to the foreign and commercial policy of the United States, are matters of special study. A topic for research is assigned each student.

55.—The West. Two hours credit. Summer term, and second semester. The growth of our nation westward is studied for its causes and processes. New problems and how they affect our national life are considered.

57.—History of American Diplomacy. Two hours credit. Summer term, and first semester. A study of American foreign relations from 1776 to the present time. Special emphasis is placed on the original policy of isolation, the growth of the law of neutrality, the Monroe Doc-

trine and its modern interpretation, Pan-Americanism, the spread of American influence in the Pacific and the Caribbean, and the principles governing our entrance into the World War.

GOVERNMENT.

1.—American Government. Three hours credit. This course covers the field of national and state government. The federal principle and the constitutional system peculiar to the United States are studied, and the characteristically American institutions are analyzed. Detailed attention is given to the governmental structure, and the functions of governmental organs. Text: Beard, "American Government and Politics."

2.—Local Government. Three hours credit. In this course a study is made of city and county government. Special attention is given to recent tendencies in the development of municipal functions, commission government, city manager plan, home rule, and the problems of municipal administration. No single text is used.

51.—Governmental Problems. Three hours credit. In this course a study is made of particular problems of American political development that can only be touched upon briefly in course 1. Specific reading assignments are made upon such matters as the short ballot, direct primaries, government control of industry, etc. Contemporary problems discussed in current political literature are also introduced. The student will be expected to read consistently current magazines dealing with political matters. Young, "The New American Government and Its Work," is used extensively.

52.—International Law. Three hours credit. The fundamental principles of International Law are treated in this course. A study is made of the law of nations as it has developed through custom, judicial decisions, treaties, and international conventions. Constant use is made of illustrative documents, treaties, and cases. Particular attention is given to the influence of the United States in shaping international law. Text: Lawrence, "Principles of International Law."

53.—Comparative Government. Three hours credit. In this course a study is made of the governments of Europe. Particular attention is given to the British cabinet system, which is contrasted sharply with our own. Text: Ogg, "Governments of Europe."

54.—Seminar. One hour credit. This course is conducted by means of written reports and general discussion on assigned topics of interest to students of history and government. Meetings are held every other week for a two-hour period.

Home Economics.

Professor Stiebeling.
Instructor Ligare.
Instructor Kirtlan.

A major in home economics consists of a minimum of twenty hours or a maximum of thirty-five hours—to include courses 68 and 70. A minor in home economics consists of a minimum of fifteen hours. A special certificate to teach home economics in the elementary school and high school is issued. For requirements for the certificate, see page 55.

Students in this department should plan the work very carefully, so that all prerequisite work may be completed by the time they wish to take a certain course. The student furnishes material for garments made. The fees charged are to cover supplies used.

1.—Sewing and Textiles. Five hours credit. Summer term, and each semester. This course consists of two parts: 1*a*, *Sewing;* two hours

credit; six hours laboratory; fee, 50 cents. 1*b*, *Textiles;* three hours credit. 1*a*, or its equivalent, must be prerequisite or taken with textiles. Study of textile industry, fibers, materials, adulterations, and weaving. Fee, $1.

4.—Drafting and Design. Four hours credit. Summer term, and each semester. Prerequisite, Sewing and Textiles, and Free-hand Drawing I. Six hours laboratory; two hours lecture work. A course in designing and drafting of patterns applied to garment work. Fee, 75 cents.

6.—Survey of Foods. Four hours credit. Summer term, and each semester. Four hours laboratory; two hours lecture work. A survey course for those not majoring in home economics; a study of foods and the home. Fee, $2.50.

14.—Foods. Five hours credit. Summer term, and first semester. Prerequisites, high-school chemistry or elements of chemistry, high-school physics. Eight hours laboratory; two hours lecture. A study of the effect of preparation upon the nutritive value of foods. Fee, $3.

20.—Home Nursing. Three hours credit. Summer term, and each semester. Three hours lecture. Fee, 50 cents.

25.—Food Industries. Two hours credit. Summer term, and first semester. Prerequisite, one year of high-school foods or course 6 or 14. A study of the effect of production and manufacturing processes upon nutritive value and cost of food.

54.—Applied Costume Design. Four hours credit. Prerequisite, Drafting and Free-hand Drawing II. Six hours laboratory; two hours lecture work. Application of study of design and color and selection of materials to garment work. Fee, 50 cents.

60.—Household Management. Five hours credit. Summer term, and second semester. Prerequisite, course 14, Household Bacteriology. A study of the economy of labor, time, money in managing a home. Two weeks of practice work in the apartment is required. Fee, $3.

62.—Dietetics. Three hours credit. Second semester. Prerequisite, course 60, Food Analysis. A study of digestion and metabolism in so far as these factors are basic in determining diet under normal and abnormal conditions. Fee, $1.

68.—House and Home. Four hours credit. Summer term, and second semester. This course consists of two parts: 68*a*, House Construction and Sanitation, with two hours credit (prerequisite, Household Bacteriology); and 68*b*, Interior Decoration (prerequisite, Free-hand Drawing I and II), two hours credit.

70.—Modern Household. Three hours credit. First semester, and summer term. Prerequisites, Principles of Sociology, Biology.

Latin.

Professor Holtz.
Instructor Deatherage.

Equipment. The department is supplied with maps of the Roman world, ancient Italy, Gaul, Rome and its environment, the city of Rome and the Roman Forum; also with wall pictures, costumes, and statuary of classical subjects. The library contains a large and well-selected supply of reference books that will compare favorably with similar collections in the leading colleges and universities of the middle West. Bound sets of the leading classical journals, as well as the current numbers, are

always accessible to students. The department owns lantern slides illustrating Cæsar's campaigns, the Saalberg camp, the story of the Æneid, classical mythology, and Roman public and private life. Students also have the advantage of several hundred post cards and small photographs suitable for use in the reflectoscope, and a carefully developed "Sabin Exhibit."

ENTRANCE. Students entering with the required units of high-school credit may take any course for which they are prepared, and receive college credit when they satisfy the department that the character of their work is of college grade. Students with no Latin credit will take Elementary Latin; those with one unit credit will take Cæsar; those with two units, Cicero's Orations; with three units, Virgil's Æneid; with four units, Livy or Cicero's Essays. Students who have not had the equivalent of one hour per week in Latin composition for second and third years' work in the high school will be conditioned in composition pending an examination, or allowed to make up the requirement in the Roosevelt High School classes.

A minimum credit for a year of elementary Latin and prose readings will count toward graduation. All other courses will be recorded as per catalogue hours.

CHOICE OF OTHER SUBJECTS. As the work of the student in history, science, English, modern language, mathematics—in fact, in every academic subject—is materially aided by the study of Latin, so the student of Latin should enrich his training with courses in the above departments. A student who expects to teach Latin should make special preparation to teach one or two other subjects in order to meet the demands of the average high school. Of the four hundred teachers of high-school Latin in Kansas, the majority teach the following combinations: Latin and modern language; Latin and history; Latin and English; Latin and science. Our teachers' bureau sometimes has calls for a teacher of Latin and normal training; Latin and music; Latin and mathematics. The following are recommended: English, Greek and Roman history, French or Spanish, public speaking, and philosophy.

MAJOR. Before completing a Latin major or before securing a departmental or Normal Appointment Bureau recommendation, a student must make satisfactory records in the following courses: Virgil, Cicero's Essays or Livy, Advanced Composition, Latin Grammar, The Odes of Horace, Methods in High-school Latin. The remaining quota of hours will be selected upon consultation with the head of the department.

UNIVERSITY DEGREES. Candidates for the higher degrees in a majority of the universities are held for two to four years of entrance Latin. Students should not embarrass themselves by failing to work off their language requirements before taking advanced work in the universities.

1.—ELEMENTARY LATIN. Five hours credit. Summer term, and each semester. The essentials of Latin forms and syntax, including work in the subjunctive mode. The acquisition of an adequate vocabulary for the reading of short continuous passages and the writing of original exercises in Latin based upon pictures, current events, games and stories. The correlation of Latin with English, and other subjects in the curriculum. The relation of Latin to the everyday life of the present.

2.—Latin Prose Readings. Five hours credit. Summer term, and second semester. Prerequisite, course 1. A continuation of the above, dealing in particular with easy prose reading. A study of the Helvetian campaign, or equivalent Latin, in addition to the exercises of the first-year text. Composition practice on assigned and original work. Practice in translation at sight and from hearing syntax, stressing case usage. Extensive study of English derivatives.

4.—Cæsar and Composition. Five hours credit. Summer term, and first semester. Prerequisite, courses 1 and 2, or a year of high-school Latin. Translation by assignment and at sight from the additional books of Cæsar's Gallic War, or its equivalent. Syntax, stressing the subjunctive mode and all subordinate clauses, with composition by sentence and paragraph to illustrate the same. Individual studies and reports, with a summary of Cæsar's campaigns as a whole. Latin word formation and English derivatives.

5.—Cicero I; Orations. Three hours credit. Summer term, and first semester. Prerequisite, course 4, or two years of high-school Latin. A study of four selected orations. Translation by assignment and at sight. Syntactical study, stressing conditional sentences. Analysis of each oration. Roman social and political conditions compared with those of modern times. Daily study of English derivatives. Prose composition based upon text read. Open to those who have not had Cicero in high school.

6.—Cicero II; Orations. Three hours credit. Summer term, and second semester. Careful reading of three orations, including the Poet Archais and the Manilian Law. Daily prose based upon the text. The writing of continuous narrative. Rhetorical analysis of orations. A study of Roman political conditions. The courses in Cicero are also recommended to those majoring in European history.

7.—Virgil I. Three hours credit. Summer term, and first semester. Prerequisite, three years of Latin. Three books of the Æneid. Courses designed to secure an appreciation of Virgil's style and delineation of character. Due attention given to classical mythology and metrical reading. Reports and papers on related topics. The chief emphasis will be laid on the literary side of the poem.

8.—Virgil II. Three hours credit. Second semester. Four books of the Æneid continued from course 7. Selections and summary of the remaining books of the Epic. The author's place in literature. Translation and metrical reading. Themes of a research nature. Courses 7 and 8 are recommended also to all who expect to teach high-school English.

9.—Cicero's De Senectute, or De Amicitia. Two or three hours credit. Summer term, and first semester. Prerequisite, courses 6 and 7. Careful translation by assignment and at sight, with daily drill in syntax of modes and tenses; special attention to the classification of subordinate clauses; daily composition based upon the text. Recommended to advanced students of English and to those who continue the study of Latin beyond Virgil. It is suggested that the course in Advanced Composition or Latin Grammar, two hours credit, be taken at the same time.

10.—Livy: Book XXI, Selections from Book XXII. Three hours credit. First semester. Translation by assignment and at sight. Syntax of modes, tenses, and subordinate clauses. Daily prose based upon the text. It is recommended that students in Livy enroll also for Advanced Composition or Latin Grammar, two hours.

11.—Advanced Latin Grammar. Two hours credit. Summer term, and first semester. Open to all students with credit in three years of Latin. Designed, *first*, as a course in syntax for high-school teachers.

Syntax of dependent clauses, and especial stress upon the subjunctive. Classification of case and mode usages in Cæsar, Cicero and Virgil. Prose composition; *second,* as a study of the latest and most conservative ideas on the principles of the Latin language. Bennett's Syntax of Early Latin; Hale and Buck's Grammar. Required of all students completing a Latin major.

12.—Advanced Latin Composition. Two hours credit. Second semester. Nutting's Advanced Composition, Part I or II, or its equivalent. Practice in writing connected discourse. Intended to accompany course 9 or 10. Should be elected by all who expect to teach Latin.

14.—The Classical Element in English. Two hours credit. Summer term and each semester. Prerequisite, one year of Latin. This course is intended to give the student special training in the practical application of classical language to his daily use of English. Both the Latin and Greek element considered. The general vocabulary of various subjects, particularly that of the sciences, analyzed and discussed. Daily tests of the student's ability to give the meaning of English words, new and old, at sight. The time and manner of the introduction of Latin into English, Latin forms, abbreviations and phrases in common use. Analysis, spelling, syntax, and other everyday classical usage in English.

15.—Oral Reading of Latin. One hour credit. Intended to afford practice in the proper expression of Latin prose and verse; to express the thought, without translating, from hearing or reading the original; to present short plays in Latin or a more extensive classical play in English. Open to advanced students who are intending to teach Latin and to other mature students upon invitation.

50.—Horace: Selected Odes and Carmen Sæculare. Three hours credit. Second semester. Translation, analysis, study of Horatian meters. Special topics for reports and papers. It is recommended that the course in Roman private life or the grammar course be carried in connection with Horace. Required of all who complete a major in the department. Must be preceded by Virgil.

51.—Latin Comedy: The Captivi of Plautus and the Phormio of Terence. Three hours credit. Summer term, and second semester. Should be preceded by course 9 or 10. Attention given to vocabulary, anteclassical forms and constructions, scansion, and idiomatic English in translation. The Roman theater. Papers and reports.

53.—Roman Private Life. Two hours credit. Second semester. Study the life, social customs, dress, travel, amusements, education, and kindred topics from the remains of ancient art and archæology, and in particular from the ruins of Rome and Pompeii. Lectures, library research and reports. Use of pictures, lantern slides and models. Designed to supply supplementary knowledge for high-school Latin and history teaching.

54.—Classical Poetry in Translation. Two hours credit. Summer term, and each semester. Intended for advanced students preparing to teach Latin or English. The important fields of Greek and Latin poetry are studied, with particular attention devoted to the Greek drama, to Latin pastoral poetry, and their influence on later literature. No Latin or Greek prerequisite.

55.—Tacitus: Germania and Agricola. Three hours credit. Summer term, and second semester. Should be preceded by course 9 or 10. Attention given to vocabulary, post-Augustan forms and constructions, and idiomatic English in translation, the Roman provincial system and the conquest of Britain.

56.—Teaching of High-school Latin. Two hours credit. Summer term. Required of advanced students who expect to teach Latin. Course

deals with the educational values of ancient language study and the relation of those languages to the language and life of to-day; with the principles underlying the teaching of Latin; with methods in dealing with specific problems; with topics in Latin teaching; with supplementary material, lantern slides, pictures, songs, playlets and plays, organization and programs for Latin clubs, exhibits, lectures, reports, papers, etc. The student may earn additional credit in observation and practice teaching. (See course 59.)

57.—Advanced Cæsar. Two or three hours credit. Summer term, and second semester. Prerequisite, courses 11 and 12. Rapid reading from books V-VII. A critical study of the Gallic campaigns. Library research and critical papers. Intended as a practice course for Latin teachers. Discussion of problems in teaching Cæsar in high school.

58.—Teachers' Course in Composition. Two hours credit. Summer term, and first semester. Adapted especially to the needs of those preparing to teach high-school Latin. Exercises dealing primarily with the syntax of the second and third year's work. The writing of continuous prose narrative in original and assigned exercises. The close classification of cases and subjunctives in Cæsar's narratives. Course 57 should precede or be taken at the same time.

59.—Demonstration Class in Junior or Senior High School. Four hours credit. Summer term, and second semester. These classes will be conducted in both Junior and Senior high school. Students in the Latin methods class and others of advanced standing in the department may enroll in this course for teaching and observation. The object will be to show the method of conducting a high-school class in Latin correlated with the study of English, and to afford an opportunity for regular practice teaching.

60.—Roman Satire. Three hours credit. Second semester. Selections from the satires of Horace and Juvenal, or the entire time devoted to either author. Translation, scansion, a study of conditions that produced Roman satirical writing. Papers on subjects related to the content.

Mathematics.

Professor Lindquist.
Associate Professor Ellis.
Instructor Keller.
Instructor Downing.
Instructor Hyde.

1.—Advanced Arithmetic and Methods. Four hours credit. Summer term, and each semester. Prerequisites, one year each of algebra and geometry. Not a review of grade arithmetic, but an advanced course which gives teachers a broader and more comprehensive view of the science and history of number development together with material for classroom use. A historical survey of our system of numbers and measures, and relation of numbers. Fundamental principles, their applications and interrelations. Unification and correlation of subject matter. Graphs. This course applies on requirements for any certificate. Two hours credit may be applied on requirements for degree. (Downing.)

2.—Teaching of Elementary Mathematics. Two hours credit. Summer term, and each semester. Prerequisite, same as for course 1, and review arithmetic, arithmetical language, relation of numbers, literal arithmetic, oral work, drills securing of interest. Eliminations, additions, and modifications of the course of study. A study of each topic taught in the grades and junior high school, from the standpoint of position in the course of study, importance, relation to other topics of arithmetic and to other studies, its general application, and best methods of presentation.

Not open for credit to students who have had course 1 to 3. Open only to freshmen and sophomores. If taken by juniors and seniors only one hour credit will be given. (Lindquist.)

3.—Teaching of Commercial Arithmetic. Two hours credit. Summer term, and first semester. Arithmetic from the standpoint of the business man and the commercial teacher. Emphasis will be placed on the most approved forms of business computations used to-day, together with improvements on the same. Drills, short cuts, etc., a study of the most valuable ones, their applications, and the best manner of presenting same to class. (Ellis, Lindquist.)

4.—Advanced Algebra and its Applications. Three hours credit. Summer term, and each semester. Prerequisite, one year each of algebra and geometry. The fundamentals of algebra and the reasons underlying the fundamental operations with positive and negative exponents. A review of factoring. Theory of exponents, surds and imaginaries. Theory of quadratic equations in one and in two variables, with applications. Graphs. Ratio, proportion and variation. Series, limits, logarithms, and use of the slide rule. Applications of algebra to physics, mechanics, mensuration and numerous vocations. Only for students who have had but one year of algebra in high school. (Keller, Ellis, Hyde.)

5.—Solid Geometry. Three hours credit. Summer term, and first semester. Prerequisites, one year each of algebra and plane geometry. Straight line in space, the plane, and the more common solids, as parallelopiped, prism, pyramid, cylinder, cone and sphere. Application to problems throughout. (Ellis, Downing.)

6.—Trigonometry. Three hours credit. Summer term, and each semester. Prerequisite, course 4 or its equivalent. Plane trigonometry, trigonometric functions, solution of right triangles by use of natural functions, logarithms and slide rule, solution of the right and of the oblique triangle by logarithms, radian measurements, trigonometric equations, and numerous applications to practical problems. (Lindquist.)

7.—Surveying. Two hours credit. Summer term, and each semester. Prerequisite, course 6, or to be taken simultaneously with course 6, which is recommended. A practical supplement to the course in trigonometry, dealing with its most common applications. For this reason it is advisable to have the two taken simultaneously. Sufficient work is done with the transit and level to familiarize the students with the ordinary work of the surveyor. (Ellis.)

8.—College Algebra. Five hours credit. Each semester. Prerequisite, one year each of algebra and geometry. A rapid review of first-year algebra; exponents, surds, imaginaries; theory of quadratics; graphs; ratio, proportion, variation; series; logarithms; determinants; theory of equations; Horner's method of approximations. For students entering with only one year of elementary algebra. (Ellis, Keller.)

9.—College Algebra. Three hours credit. Summer term, and each semester. Prerequisite, one and one-half years of high-school algebra or course 4. Rapid review of elementary algebra; graphic representation; logarithms; theory of equations; Horner's method of approximations; determinants. (Ellis, Keller, Hyde.)

50.—Plane Analytics. Four hours credit. Second semester. Prerequisite, courses 6 and 8. Coördinates, locus of an equation, equation of locus, straight line; the more common curves, as circle, parabola, etc., and the relations between them; polar coördinates, transcendental curves, transformation of coördinates, tangents, parametric equations and loci. (Lindquist, Keller.)

50*s*.—Analytics. Three hours credit. Summer term. Prerequisite, same as for 50. Selected topics from course 50, which will be of most value to students attending during the summer who are unable to take course 50 through the year. (Lindquist.)

51-52.—Calculus. Six hours credit. Through the year; three hours first, and three hours second semester. Summer term, upon sufficient demand. Prerequisite, Plane Analytics. Derivatives, maxima and minima of functions, curvature, tracing of simple curves, indeterminate forms, series, the expansion of functions and numerous applications to problems in mechanics and physics. Integration, reductions to standard forms, use of integrating tables, definite integrals, finding of areas, volumes, length of curves, numerous applications to problems of physics. Differentiation and integration will be carried on simultaneously so as to bring out more clearly the connection between them. (Lindquist.)

51*s*.—Calculus. Three hours credit. Summer term. Prerequisite, Plane Analytics. (Lindquist.)

53.—Teaching of High-school Mathematics. Two hours credit. Summer term, and second semester. Prerequisite, course 6. A critical historical survey of recent and present-day movements in the teaching of secondary mathematics, correlation of subjects, creation of interest, tests and examinations, definitions and axioms. Consideration of the topics of algebra, geometry and elementary trigonometry from the standpoints of presentation, placing of emphasis, difficulties and their remedies, making of problems and the collection of data for the same, historical points of reference connected with each. Observation of practice teaching in the Training High School. (Lindquist.)

54.—Astronomy. Two hours credit. Summer term, and second semester. Prerequisite, Plane Geometry. The doctrine of the sphere celestial and terrestial. Relation between distance and apparent size. Celestial measurements. Determination of time, of latitude, of longitude, of the place of a ship, of the position of a heavenly body. The solar system, including the distance, magnitude, motion and relations of its different members, and the several theories of its evolution. The stars and their grouping into constellations, clusters and systems, including frequent observations with telescope and transit. Comets, meteors and nebulæ and other ordinary work of descriptive astronomy. (Ellis.)

55.—History of Mathematics. Two hours credit. Upon sufficient demand. Summer term, and second semester. Prerequisite, courses 6 and 8.

56.—Solid Analytical Geometry. Two hours credit. Second semester. Prerequisite, course 50 or 50*s*. The course will include a treatment of geometry of space from the analytic standpoint, similar to that of plane analytic geometry.

57.—Differential Equations. Three hours credit. Upon sufficient demand. Prerequisite, course 52. Ordinary differential equation will be studied in which much attention will be given to applications. The great advantage of the differential equation as a mathematical instrument will be brought out.

58.—Higher Algebra. Two hours credit. Second semester. Prerequisite, courses 6 and 8. Number field, number systems; complex numbers; limits; series; cubic and quadratic equations; theory of equations; infinite products; Taylor's theorem; multiple roots.

Modern Languages.

Professor DUDLEY.
Instructor BODENSIECK.

The equipment of the Department of Modern Languages consists of about 700 department books in the library, including a fairly complete list of reference books, a complete set of 220 volumes of the Deutsche National-Litterateur and a set of the Allgemeine Deutsche Biographie; one philological, one pedagogic and two literary periodicals, a weekly German newspaper, and one French periodical; a wall map of France, two physical maps and one political map of Germany; a wall map of Schiller's Wilhelm Tell; a set of eight Hölzel and Holz pictures for use in free composition and in methods; a spectroscope and several hundred post cards of various parts of Germany and France, and illustrating various phases of life in those countries; an increasing collection of framed prints and photographs, including those of statesmen and writers; Kürschner's Das ist des Deutschen Vaterland; Könnecke's Bilderatlas zur Geschichte der Deutschen National-Litterateur; La France, a finely illustrated geographical description of France in two volumes.

FRENCH.

The equipment for the study of French has been included in the description given for the department.

MAJOR AND MINOR IN FRENCH. A major in French will consist of not less than twenty hours of college French, not including Elementary French; a minor of not less than fifteen, at the discretion of the head of the department. The work in the various courses will be done as much in French as is consistent with giving the necessary content to the courses. A double major of French and Spanish or of French and German may be taken by electing the forty-five hours allowed for credit in the modern language group.

1.—ELEMENTARY FRENCH. Five hours credit. Summer term, and each semester. Texts: Fraser and Squair's French Grammar, and Ballard's Short Stories for Oral French. The pronunciation is taught carefully with the help of drill in correctly placing and forming the sounds, and with practice in the phonetic transcription of French words and sentences. The work of the semester includes dictation, reproduction and the writing of original sentences and paragraphs in the French.

2.—INTERMEDIATE FRENCH. Five hours credit. Each semester. Prerequisite, Elementary French, or one unit of high-school French. Fraser and Squair's French Grammer is completed. Aldrich and Foster's French Reader is completed; drill in pronunciation in dictation, reproduction, and original writing in the French is continued throughout the semester.

3.—MODERN FRENCH DRAMA. Three hours credit. Each semester. Prerequisite, ten hours of college French, or its equivalent. Plays are read, selected from the following writers: Labiche et Martin, Augier, Sandeau, Coppée, Scribe, or others. Sight reading is a part of the work of the course.

4.—FRENCH COMPOSITION I. Two hours credit. Each semester. Prerequisite, ten hours of college French, or its equivalent. The course is intended to be taken with course 3. A grammar review is conducted in

connection with the use of a text in French composition. Original themes in French are a part of the work.

5.—Modern French Prose. Three hours credit. Each semester. Prerequisite, courses 3 and 4. Selections are read from the following authors: Sand, Maupassant, Hugo, France, Musset, or others. Sight reading is continued in this course.

6.—French Composition II. Two hours credit. Each semester. Prerequisite, courses 3 and 4. In addition to a text in French composition, idioms of the French are memorized and the writing of French themes is continued.

7.—Oral French. One hour credit. Second semester. Prerequisite, ten hours of college French. The work of the classroom is entirely in French. It consists of readings and simple discussions, and a play is committed and performed at the end of the semester by the students of the class.

51.—Advanced French Composition. Two hours credit. On sufficient demand. Prerequisite, eighteen hours of college French. This course is designed especially for students preparing to be teachers, and is conducted in French. Based on texts dealing with common things and with everyday life, it aims to build up a practical vocabulary. The work in the texts is supplemented by dictation, and oral themes on assigned topics are required from each member of the class each week.

52.—The Classic French Drama. Three hours credit. On sufficient demand. Prerequisite, fifteen hours of college French. Work of Molière, Corneille and Racine and others are read and their structure studied, and the members of the class are required to do collateral reading and make reports on themes which give them the social and historical setting for the plays read.

53.—French Romanticism. Three hours credit. On sufficient demand. Prerequisite, fifteen hours of college French. The origin and development of romanticism in France is studied, together with the reading of selections from the leading French romanticists.

54.—Survey of French Literature. Three hours credit. On sufficient demand. Prerequisite, fifteen hours of college French. The course is based on Fortier's Histoire de la Litterature Francaise. Reports and themes based on collateral reading form a part of the work each week.

55.—The Teaching of High-school French. Four hours credit. On sufficient demand. Open by permission of the instructor. The state text in French grammar is reviewed and discussed, and texts recommended by the state committee are read outside of class and reports made on them. The formation of French sounds is studied in connection with the phonetic script. Reports are made on the aims and methods of teaching high-school French based on collateral reading and a course in high-school French is outlined. A bibliography of reference books concerning France and the French language is given by the instructor. The student is required to observe and teach, as the instructor requires, a beginning class in high-school French, and to work out lesson plans.

SPANISH.

1.—Elementary Spanish. Five hours credit. Summer term, and each semester. Texts: DeVitis Spanish Grammar to Lesson XXV; Berge-Solar and Hatheway's Easy Spanish Reader, 30 pages. The chief aims of instruction are drill toward the acquisition of a correct pronunciation, mastery of grammatical fundamentals and the ability to read and understand simple prose. Conversation, dictation, reading, reproduction and memorizing of prose are included in the course. Work done partly in Spanish.

2.—INTERMEDIATE SPANISH. Five hours credit. Each semester. Prerequisite, course 1. Texts: DeVitis's Spanish Grammar completed; Berge-Solar and Hatheway's Easy Spanish Reader completed. Conversation, composition, dictation, reading and reproduction continued in this course. Current event discussions from the Spanish newspaper *La Prensa.* Work conducted partly in Spanish.

3.—MODERN SPANISH FICTION. Three hours credit. Each semester. Prerequisite, course 2. A thorough study of the most representative prose writers of the nineteenth century. Reading and discussion of about 200 pages from such authors as Alarcón, Becquer, Valdés, Mesonero, Romanos, Pereda and Valera. Outside reading and reports.

4.—SPANISH COMPOSITION I. Two hours credit. Each semester. Prerequisite, course 3; may be accompanied by course 5. Texts: Ramsey's Textbook of Modern Spanish, and Espinosa's Advanced Spanish Composition and Conversation. Training in writing and speaking Spanish. Original stories based upon pictures form a part of the course. Much of the work is done in Spanish.

5.—MODERN SPANISH DRAMA. Three hours credit. Each semester. Prerequisite, course 3. A study of the development of the realistic drama in Spain. Reading and discussion of about 250 pages chosen from the works of Moratin, Gil of Zárate, Jacinto, Benavente, Galdós, and Quintero.

6.—SPANISH COMPOSITION II. Two hours credit. Each semester. Prerequisite, course 2. Review of grammar and syntax covered in previous courses. Composition work in literary reviews, commercial correspondence and original topics. Tests: Ramsey's Textbook of Modern Spanish, Espinosa's Advanced Spanish Composition and Conversation, Part I.

7.—COMMERCIAL SPANISH. Two hours credit. First semester. Prerequisite fifteen hours of Spanish. It is also highly recommended that the student have at least an elementary knowledge of the simplest English business terms, such as cheques, drafts, credit, debit, etc. The aim of the course is the acquisition of a technical vocabulary in whatever department the student is interested and the ability to write a business letters in Spanish. Supplementary reading is obtained through Spanish newspapers and magazines and reports of various phases of Spanish-American life are required. Texts: Harrison's Spanish Commercial Reader and supplementary texts are used.

8.—ORAL SPANISH. One hour credit. Second semester. Prerequisite, ten hours of college Spanish. Course conducted entirely in Spanish, with emphasis upon the idiomatic use of the spoken language. Designed to train students to speak Spanish with facility.

50.—TEACHING OF HIGH-SCHOOL SPANISH. Two hours credit. Summer term, and first semester. Open to students by consent of Modern Language Department. The course consists of the study of the latest methods in teaching modern languages; of the organization of a course of study based on the textbooks recommended by the state; of reports on the manners and customs of people living in Spanish-speaking countries; and of as much drill in conversation and grammar as the time of the course will allow.

GERMAN.

1.—ELEMENTARY GERMAN. Five hours credit. Summer term, and each semester. No prerequisite in German. Texts: Gohdes and Buschek's Lernund Lesebuch, 75 pages. Walter Krause's First German Reader, 30 pages. The course includes a scientific study of pronunciation by the application of the principles of phonetics; also reading, practice in memorizing prose and poetry, reproduction, writing from dictation, and free composition based on one Hölzel and Holz picture. The purpose of the course

is to lay foundations for reading, speaking and writing the German by giving as much of a feeling for the language as possible. The work is done partly in German.

2.—Intermediate Prose. Five hours credit. Summer term, and each semester. Prerequisite, Elementary German I, or one unit of high-school German. The texts, Gohdes and Buschek's Lernund Lesebuch and Walter Krause's First German Reader, are completed, and one short story, Gerstäcker's Germelshausen, or a comedy, Fulda's Unter vier Augen, or the equivalent, is read. The drill in pronunciation, memorizing, free reproduction of simple German, and writing from dictation begun in Elementary German I is continued throughout this course. The work is done partly in German.

3.—Short Stories. Five hours credit. Summer term, and each semester. Prerequisites, courses 1 and 2, or two units of high-school German. The purpose of this course is (1) to give the students practice in reading interesting prose of intermediate difficulty, (2) to review nouns, pronouns, and adjectives, and (3) to give practice in writing German by means of exercises based on the texts read. About 140 pages are read from the following texts or their equivalent: Storm's Immensee, Wildenbruch's das edle Blut, or Baumbach's der Schwiegersohn, and Keller's das Fäbnlein der sieben Aufrechten. The work is done partly in German.

4.—Introductory Classics. Five hours credit. Summer term, and each semester. Prerequisites, courses 1, 2 and 3, or three units of high-school German. In this course two or three selections are made from the following texts: Schiller's Wilhelm Tell, die Jungfrau von Orleans, Maria Stuart, Lyrics und Ballads, Lessing's Minna von Barnhelm, Goethe's Hermann und Dorothea. In addition to the texts read, verbs are reviewed thoroughly, and one day in the week is devoted to prose composition. The work is done partly in German.

5.—Intermediate Prose Composition. Three hours credit. Summer term, and first semester. Prerequisite, course 4, or its equivalent. The texts used are Thomas's A Practical German Grammar, and Pope's Writing and Speaking German. In connection with the composition exercises in Pope, the principles of the grammar are reviewed by the use of the Thomas Grammar.

6.—Oral Composition. Two hours credit. Second semester. Prerequisite, course 4. Text, Boezinger's Mündliche und schriftliche Ubungen. In addition to the text the students are required to commit to memory and give publicly a short German comedy. No written work is required, and the work is done in German except the stage drill in connection with the comedy.

8.—Goethe. Three hours credit. First or second semester. Prerequisite, course 5. The course consists of the study of Goethe's life, with such attention to literary and social conditions of his time in Germany as is necessary to an understanding of the author and his works. Two of his dramas, such as Egmont and Iphigenie auf Tauris, are read, also selections from his lyrics, or from Dichtung and Wahrheit. Students are required to write a term theme on some phase of the work. (Dudley.)

9.—Lessing. Three hours credit. Summer term, and first or second semester. Prerequisite, course 5. The same general method is pursued as in course 8. In connection with the works read, lectures are given by the instructor on the drama in Germany before Lessing, and also on Lessing's work as a critic. (Dudley.)

50.—Nineteenth Century Fiction. Three hours credit. First semester. Prerequisite, courses 5 and 8, or 9 or 10. The aim of this and the following course is to introduce the students to the men and movements which have had a determining influence in the shaping of modern German

literature. Kleist, Eichendorff, Keller, Meyer, Fontane, Rosegger and Sudermann are studied in representative works. (Dudley.)

51.—Nineteenth Century Drama. Three hours credit. Second semester. Prerequisite, courses 5 and 8, or 9 or 10. Witkowski's German Dramatists of the Nineteenth Century is used in connection with dramas read from Kleist, Grillparzer, Hebbel, Ludwig, Hauptmann, and Sudermann. Much of the work is done in German. (Dudley.)

53.—History of German Literature I. Two hours credit. On sufficient demand. Prerequisite, course 50, 51 or 52. Texts: Thomas's History of German Literature and his German Anthology. Ten chapters in the History and 280 pages in the Anthology are included in this course, with lectures by the instructor and papers on important phases of the work by members of the class. (Dudley.)

54.—History of German Literature II. Two hours credit. On sufficient demand. Prerequisite, course 50 or 51. The course begins with the seventeenth century and ends with the close of the nineteenth. The texts begun in course 53 are finished in this course, and in addition to the Anthology selections are read from the principal writers of the nineteenth century. (Dudley.)

55.—Phonetics. One hour credit. Summer term, and on sufficient demand. Open to students by consent of the instructor. The course consists of a careful study of the organs of speech by means of plates, casts, and steroscopic views; the study of the formation of German speech sounds from the point of view of the organs of speech, and the phenomena of the sounds themselves; the classification of the sounds according to their position and formation; the practical application of the principles studied by means of reading, and the study of sentence stress, or accent. (Dudley.)

Music.

Frank A. Beach, Director Normal School of Music, Professor of Voice, Theory of Public-school Music.
Ada Baum, Piano and Music Appreciation.
Esther Fleming, Assistant in Piano.
Martha Bates Hatfield, Voice.
Alice E. Hurd, Violin.
Louise Hughes, Public-school Music.
Marcellus C. Grady, Wind Instruments and Band.
George Keenan, Violin.
Ralph Page, Voice.
Ardene Phifer, Piano, Theory.
Harriet Prutsman, Piano, Accompanying and Theory.
Maurine Smith, Public-school Music.
E. Anna Stone, Piano for Children, Juvenile Methods.
Catharine E. Strouse, Associate Professor, Public-school Music.

PUBLIC-SCHOOL MUSIC.

The demand for supervisors of public-school music in its various phases who are also thoroughly equipped along academic lines has led to the organization of a four years' college course of study which has music for its major. Upon its completion graduates may teach, in addition to high-school music, any other high-school subject for which they are prepared. The degree of Bachelor of Science in Music is conferred.

In addition to the academic work deemed essential for a proper general equipment, there is offered for teachers and supervisors of music specific training in sight singing, ensemble practice, elementary harmony and ear training; courses in the appreciation of music, both for the development of the individual and for teaching purposes; definite experi-

ence in the planning of outlines for the various grades and high school, as a part of the course in public-school music methods; instruction in individual voice production and singing, as well as in the care and development of children's voices; actual practice in conducting chorus and orchestra, and practice teaching of classes of children in the Training Schools under the criticism of a supervisor of wide preparation and experience.

Courses are offered in voice, piano, violin, stringed and wind instruments, including theory and history of music, music appreciation, musical analysis, methods, and practice teaching.

Students who wish to complete any of the above-named branches may receive a general academic equipment, a thorough preparation for the profession of teaching, specific training in music, and proficiency in public performance. Those students who can spend only a part of their time in the study of music may take up special work suited to their needs and attainments, thereby increasing their efficiency as teachers in the public schools.

The work of the year is interspersed with public recitals and concerts given by pupils and members of the teaching staff. A number of organizations are also maintained by the department. Two orchestras, a band, men's and women's glee clubs, the Treble Clef Club, and the Musical Art Society are organizations free to students who can derive benefit therefrom. The Choral Union—the all-school chorus for which credit is allowed—affords opportunity for study of the oratorios and large secular compositions. (See course 10.)

Credit is allowed for all work satisfactorily completed in class recitation, as stated after each course. Students enrolling in individual instruction—piano, voice, or violin—will be granted credit applicable as an elective toward any certificate and upon the degree, Bachelor of Science in Music, on the basis of one hour of credit for eighteen lessons, with the necessary preparation for each lesson.

Special Lessons in Playing and Singing. These have for their object attainment of practical ability without emphasis on technical skill. This work is open to students after a conference with the Director. It carries no credit and requires but a limited amount of preparation.

Class Lessons. Class instruction in voice, piano and violin, carrying no credit, is open without fee to students of elementary grade who have not been enrolled in private study in schools of music.

Several courses, which are both cultural and practical, are offered to prepare the prospective teacher and principal to mold the taste of his school and community along musical lines.

All certificates and diplomas issued in music will be found listed on page 57.

1.—Elementary Sight Singing.* Two hours credit. Each semester. Deals with the elements of music, rote singing, the facts of time and tune, with their staff representation, leading to the reading of one-part music.

* These courses may be submitted as credit for any certificate and for the diploma conferring the degree of Bachelor of Science in Music, but not for the diploma conferring the degree of Bachelor of Science in Education.

2.—Intermediate Sight Singing.* Two hours credit. Second semester. This course is designed to succeed 1. Reading in two parts.

3.—Advanced Sight Singing.* Two hours credit. Second semester. Prerequisite, Intermediate Sight Singing. Sight reading in three and four parts.

4.—Kindergarten and Primary Music and Practice Teaching. Four hours credit. Summer term, and each semester. Open only to freshmen and sophomores.

4*a*.—Kindergarten and Primary Music Instruction. Two hours credit. Summer term, and each semester. Open to candidates for certificates of special proficiency in kindergarten or primary teaching. Prerequisites, Elementary Sight Singing or Piano, and Primary Methods of Kindergarten Play Materials. This course will not apply on any music certificate.

5.—Grade and Junior High-school Music and Practice Teaching. Four hours credit. Summer term, and each semester.

6.—High-school Music Instruction. Two hours credit. This course deals with the methods of presenting the subjects as regularly taught in a high school offering music as an accredited subject. They are as follows: Notation, melody writing, elementary harmony and part writing, advanced harmony, music history and appreciation, and chorus conducting.

7.—Systems.* One hour credit. Summer term, and first semester. A comparative study of the several systems of public-school music and their application. Open to students who are specializing in the department. Prerequisite, courses 1, 2, and 5.

8.—Rural-school Music.* Three hours credit. Summer term, and each semester. This course deals with the subject matter and methods of public-school music for ungraded and small schools in third-class cities. Drill in rhythm, intervals and individual singing are included. Students electing music for certificate for special proficiency in rural-school teaching should take this course.

9.—Community Music and Chorus Conducting I.* One hour credit. This includes the problems of classifying voices, effective arrangement of parts, selection of material, correct use of baton, and the securing of variation in tempo and dynamics.

9*a*.—Orchestra Study and Conducting II.* One hour credit. A study of the instruments of the orchestra; the possibilities of the high-school orchestra; bibliography of material and practical conducting.

10.—Music Material I, including Chorus Singing I and Conducting.* One hour credit. Each semester. A course dealing with the selections and use of sacred and secular music of the various vocal types and bibliography of scores, and a critical analysis of musical content. Required of all music students and members of music organizations.

10*a*.—Musical Material II, including Chorus Singing and Conducting.* One hour credit. Credit is allowed nonmusic students only.

11.—Music Appreciation I. One hour credit. Open to nonmusic students or those who are not specializing in music. The purpose of the class is to acquaint students with standard vocal and instrumental compositions and enable them to listen with discrimination. Students are

* These courses may be submitted as credit for any certificate and for the diploma conferring the degree of Bachelor of Science in Music, but not for the diploma conferring the degree of Bachelor of Science in Education.

afforded opportunity for laboratory study of phonograph records and pianola rolls. Current musical events.

11*a*.—MUSIC APPRECIATION II. Two hours credit. Prerequisite, Music Appreciation I. A study of the larger forms of opera and symphony, etc.

12.—MUSIC HISTORY AND APPRECIATION I. Two hours credit. Summer term, and first semester. Designed for prospective teachers and supervisors. The course deals with the development of music, and is based upon a standard text, illustrated by records and rolls for the mechanical players and special numbers furnished by students and Faculty.

13.—MUSIC HISTORY AND APPRECIATION II. Two hours credit. Second semester. Prerequisite, Music History and Appreciation I. Continuance of the previous course. As a protection against damage to records a small laboratory fee is required.

14.—TECHNIC OF OPERA.* Two hours credit. First semester. A practical study of the various vocal forms, including chant, anthem, cantata, oratorio, and opera. Open to advanced students or especially qualified underclassmen.

15.—INSTRUMENTAL ENSEMBLE.* One hour credit. Practical work in string quartet, orchestra and wind instruments.

16.—INTERMEDIATE SOLFEGGIO.* Two hours credit. Prerequisite, Advanced Sight Singing.

17.—ADVANCED SOLFEGGIO.* Two hours credit. Drill in advanced and rapid sight reading. Prerequisite, Intermediate Solfeggio.

18.—SOLFEGGIO REVIEW.* No credit. Prerequisite, Advanced Solfeggio.

THEORY, HISTORY AND ANALYSIS OF MUSIC.

19.—EAR TRAINING. Two hours credit. Recognition of intervals and rhythmic types isolated and in melodies. A preparation for harmony as practically presented in the succeeding course.

20.—ELEMENTARY HARMONY I. Two hours credit. (Prerequisite for Elementary Harmony II.) Notation, writing of major and minor scales, intervals, triads and inversions, simple cadences. All applied to keyboard and audibly distinguish in vocal music.

21.—ELEMENTARY HARMONY II. Two hours credit. Each semester. Four-part writing, harmony depending on melody, including use of: primary triads and inversions, dominant seventh chords and inversions in major and minor keys, close and dispersed harmony. Ear training and keyboard work is emphasized.

22.—INTERMEDIATE HARMONY. Two hours credit. Second semester. (Continuation of Elementary Harmony II.) Four-part writing, harmony depending on melody; including use of: primary and secondary triads and their inversions, dominant seventh, dominant ninth, leading tone seventh and diminished seventh chords and their inversions in major and minor keys. Close and dispersed harmony. Simple modulations.

23.—ADVANCED HARMONY. Two hours credit. Four-part writing, harmony depending on melody. Harmonizing original melodies. Further use of chords already introduced in Harmony I and II, and also secondary seventh chords, altered chords, mixed chords, chromatic passing tones, suspensions, organ point. A thorough study of modulations,

* These courses may be submitted as credit for any certificate and for the diploma conferring the degree of Bachelor of Science in Music, but not for the diploma conferring the degree of Bachelor of Science in Education.

including modulation through the diminished seventh chord in its various interpretations, using enharmonic changes. Also through the dominant seventh chords.

24.—Harmonic Analysis and Form. Two hours credit. Analysis of four-part compositions; modulations at the piano. Keyboard demonstration in figured basses, cadences and modulations.

Note.—The above work is planned for supervisors' training courses as especially adapted for high-school music methods.

25.—Counterpoint and Composition I. Two hours credit. First semester. Counterpoint applies the principles of harmony to the melodious treatment of the several voice parts in combination. The study of this subject naturally follows that of harmony and develops the contrapuntal facility necessary to all forms of composition. The work includes strict counterpoint; the various orders of modern counterpoint; double and triple counterpoint.

26.—Counterpoint and Composition II. Two hours credit. Second semester. Counterpoint in five or more parts; vocal counterpoint analysis; exercises in free composition.

27.—History of Music I. Two hours credit. First semester. The course includes the growth of music from ancient to modern times; the history of early church music; the development of musical forms; sacred and secular, and instruments; and the polyphonic era. Required of students in applied music.

28.—History of Music II. Two hours credit. Second semester. Modern music and musicians; biographies and the works of the great composers of the classic, romantic and modern schools. The history of the opera, oratorio, symphony, and various other forms are studied in detail.

29.—Elementary Piano Methods.* No credit. Second semester. A special course for students preparing themselves as teachers. The work embraces lectures on methods and materials for teaching beginners; papers and discussion by students. Practice teaching.

30.—Advanced Piano Methods.* A continuation of the preceding course, dealing with methods and material for intermediate students.

31.—Voice Methods I.

32.—Voice Methods II.

33.—Violin Methods I.

34.—Violin Methods II.

35.—Ensemble Playing or Singing I. One hour credit. Required throughout the year of piano certificate students, without credit. Time to be assigned by the instructor. Ensemble playing classes in piano and violin meet regularly for the study of concerted music. Four- and eight-hand music and chamber music for stringed instruments form the basis of the work. This practice enables the pupil to become acquainted with many masterpieces and to receive training in sight reading and accompanying. Credit for orchestra and band is allowed to students who are regularly enrolled.

36.—Ensemble Playing or Singing II. One hour credit. Required throughout the year of piano certificate students, without credit. Advanced ensemble playing; continuation of course 1. Time to be assigned by the instructor.

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* These courses may be submitted as credit for any certificate and for the diploma conferring the degree of Bachelor of Science in Music, but not for the diploma conferring the degree of Bachelor of Science in Education.

37.—History of Oratorio. Two hours credit. The study and development of sacred music in its larger forms, beginning the mystery and morality plays through the early cantata to the oratorios of Handel, Haydn and Mendelssohn.

38.—Elements of Musical Notation. Two hours credit. The study of the symbols of music from the notation of the Greek to the tablature and neumes of the middle ages, the development of the staff and clefs leading to modern notation. The principles underlying the different methods for rapid reading of modern musical notation.

PIANO.

It is impossible to set down a list of studies to be strictly adhered to, as the needs of the individual pupil must be consulted and the studies varied accordingly. Moreover, new works are constantly being published. These are carefully examined and those of value are used in the course. However, an idea of the work covered in the different years may be obtained from the following:

Elementary Grades. Lambert Pianoforte Method, Lebert and Stark Book One, Crosby-Adams, Burgmüller Op. 100, Loeschhorn, Stamaty, Lemoine, Whiting pedal studies, Bertini, Heller, Preyer Op. 44; sonatinas by Clementi, Kuhlau, Dussek. Major, minor and chromatic scales. Chords of key, and inversions.

Note.—The above corresponds to grades one to six of standard course adopted by the Kansas State Music Teachers' Association.

Students who bring satisfactory statement from previous instructors for the above will be admitted to the intermediate course.

First Year, Intermediate. Technical exercises, scales, arpeggios, octaves. Studies by Arthur Foote, Heller fifty selected studies, Bertini selected studies, Behrens school of velocity. Sight playing.

Second Year, Advanced. Czerny Op. 299, Kullak octave studies, Heller Op. 16, Loeschhorn Op. 67. Continued study of scales, chords, arpeggios. Easier sonatas by Haydn and Mozart. Ensemble playing.

Third Year Certificate Course. Cramer, Henselt, Bach, Heinze Album, Bach two- and three-voiced inventions. Sonatas by Mozart, Beethoven and Grieg. Selections from Chopin, Schumann, Moskowski, MacDowell.

Diploma Course. Czerny Op. 740, Moscheles Studies continued, Study of Bach and Beethoven. Selections from Liszt, Chopin, DeBussy and Brahms. Concerto study.

VOICE.

In no field of music teaching is there greater need for a definiteness which will enable a student to recognize the reasons for and the value of the instruction given than in the field of singing.

In the treatment of voices particular stress is laid upon a proper breath control; independent free action of the jaw, tongue and other vocal organs; the elimination of the so-called breaks in the voice; the development of self-confidence through the establishment of a proper level in tone production (as opposed to the customary notion of mental and vocal adjustment of "high" and "low" tones); the establishment of distinct enunciation, and the development of artistic and individual power of interpretation. In brief, the aim of the instruction given is to secure ease in singing, naturalness in enunciation, and intelligent expression.

The course of instruction has a psychological basis, and a student is enabled to overcome incorrect habits through conscious repetition of specially adapted exercises. The mode of procedure is positive, rather than negative. Having in mind that many of our graduates will be charged with the care of the voices of children and adults, the instructors in the department aim to give the student an understanding of his progress without inducing self-consciousness, and at the close of the period of study a careful analysis of the ground that has been covered.

Contrary to the commonly accepted idea, not a few but the majority may cultivate the art of singing. Persons of average ability with wisely directed training are more likely to make practical use of their gift than those favored with unusual voices but who ignore the value of proper care and training.

An important phase of this individual work deals with the correction of certain vocal defects, and with training which will secure quality and carrying power in the speaking voice through the employment of the high-chest, intercostal breathing of singers, proper voice emission and distinct enunciation.

PREPARATORY GRADE. Fundamental principles of voice building; correct poise with proper breathing; blended scale; diction; stage deportment; sight reading and simple songs in English; Sieder 8-measure Vocalises, Marchesi Opus 2. Beginning piano.

INTERMEDIATE GRADE. Studies for enunciation, rhythm and phrasing; acoustics; sight reading and diction. Exercise for attack, legato and staccato; solfeggio and ensemble practice; vocalises by Concone, Panofka, Lütgen and Shakspere; ballads and songs by present-day composers in English. Public appearance; piano.

CERTIFICATE GRADE. Vocalises by Marchesi, Op. 3; studies by Panofka, Op. 8; Vaccai; Henneman 101 Master Exercises; shade and tone color; continued studies in enunciation; artistic interpretation; selections from the works of American, English, German or Italian writers in the vernacular; joint recital with one other student of equal grade. Accompanying.

DIPLOMA GRADE. Advanced work in technical studies for phrasing; development of natural style and cultivation of dramatic expression; enunciation; at least four complete major oratorios; six selections from the standard operas in the vernacular; twenty English, French and German classics in the vernacular; practical work in musical pedagogy; full public recital; advanced accompaniments.

VIOLIN.

ELEMENTARY GRADE. Careful study in holding the violin, position of the body, placing of fingers in different keys; fundamental principles of bowing. Schools and studies by Wohlfahrt, Hermann, Blumenstengel, Laoureux, de Beriot, Dancla, Kayser, and Wilhelmj-Brown. Violin duets by Mazas and Pleyel. Scale studies in all keys, varied fingering and simple bowing; arpeggio forms in first and third positions; small classical solos with piano accompaniments. Class in sight reading.

INTERMEDIATE GRADE. (Outlined for high-school pupils and adult beginners.) Scales and arpeggio in three octaves by Ysaye and Cesar Thomson. Studies by Kayser, Schradieck, Kreutzer and Siorello. Sonatas by Corelli, Handel, and Beethoven. Concertos and soli: Beethoven; Two Romances, Vieuxtemps; Morceaux de Salon, Wieniawski; mazurkas

and concertos by Viotti, Mozart, Kreutzer, Rode, and de Beriot. Orchestral class.

CERTIFICATE GRADE. Advanced scale work in thirds, sixths and octaves by Cesar Thomson. (These scales are not in print, but are given from manuscript.) Advanced studies by Kreutzer, Fiorello, Rode, Gavinies, and Wieniawski. Bach sonatas for violin alone. Concertos by Mendelssohn, Bruch, Beethoven, Bach (E major), Wieniawski (D minor), Soli by Wieniawski (Polanaises in A and D, Souvenir de Moscow), Scherzo-tarentelle, Sarasate and Saint-Saëns. Sonatas by Beethoven, Cesar Franck, Grieg and Brahms.

DIPLOMA GRADE. Scale and arpeggio in three octaves. Studies by Rode and Gavinies. Concertos and solos: Spohr, Bach, Viotti (22d), Kreutzer (19th), Rode (10th), de Beriot (7th), Solos by Hubay. Orchestral and ensemble classes.

BRASS INSTRUMENTS.

Excellent opportunity, under a trained instructor, is offered to students who wish to learn to play brass instruments and instruments of the wood-wind group. Students who have played instruments of any sort should not fail to bring these with them, even though they have no expectation of studying. The orchestra and Normal band offer opportunities for both pleasure and service to all musical students, whether enrolled in the School of Music or the Normal proper.

FEES AND EXPENSES.

The fees for instruction have been placed at the lowest limit of actual cost for the quality of instruction offered. In private studios the teachers of the School receive double and sometimes treble the tuition rates herein made by the School.

RATES OF TUITION.

A term of music carrying one hour of credit consists of eighteen lessons, two lessons per week for nine weeks, or a half semester.

For a half term of lessons, or one lesson per week, the rate is one-half the tuition for a term plus one dollar.

For a term of eighteen lessons the fees are:

PIANO.

Juvenile course (for children)	$10.50
Advanced course (for children)	13.50
Elementary grade (for high-school pupils)	15.00
Preparatory-certificate grade (adult beginners)	18.00
Intermediate-certificate grade	22.50
Certificate grade	27.00
Diploma grade	32.50
Postgraduate work	36.00
Accompanying	22.50

VOICE.

Preparatory grade	$18.00
Intermediate grade	22.50
Advanced grades	27.00
Postgraduate	36.00

VIOLIN AND STRINGED INSTRUMENTS.

Juvenile course (in class or with assistants)	$13.50
Elementary grade (high-school students)	15.00
Preparatory grade	18.00
Intermediate grade	22.50
Advanced grades	27.00
Postgraduate	36.00

THEORY AND HISTORY OF MUSIC.

Harmony, in class	$0.00
History of music, in class	.....
Counterpoint and composition, in class	5.00
Music appreciation	.....
Private lessons in any of the above courses	10.00
Normal piano methods for certificate and diploma grades	5.00
Special methods (not otherwise listed)	25.00

INSTRUMENTS.

Band and orchestral instruments	$9.00 to $18.00

COACHING.

Sight singing and ear training (with student assistant), per lesson	$0.25
Harmony and counterpoint (with student assistant), per lesson	.33

RENT OF INSTRUMENTS.

One hour a day for a term of nine weeks. Two or more hours at the same rate:

Piano (55 hours at 3 cents per hour)	$1.65

The public-school music courses are free to any student regularly registered.

Lessons in piano, voice and violin are theoretically half-hour periods; where necessary for the passing to and from the classes the actual time may be twenty-five minutes.

A limited number of free and partial scholarships, it is expected, will be available for talented students who are unable to pay regular rates. These will be granted at the beginning of the year upon written application and examination.

All tuition is payable strictly in advance, at the beginning of each term. Work in this department is suspended on legal and school holidays, as given in the calendar of this catalogue. Students may enter at any time. It is best to enroll at the beginning of a term. All lessons lost by absence or tardiness of the pupil will be the pupil's loss, unless reasonable previous notice of the expected absence is given, in which case the lesson will be made up within the term only. Students must complete a full term of lessons or class work in order to receive a grade for the work. Students leaving or discontinuing lessons during the term time forfeit all payments, except in case of protracted illness, in which case the balance will be allowed upon a subsequent term, or half the loss will be borne by the department. All students who wish to take up work in this department must receive an assignment card from the Director of Music. This card must be stamped by the Registrar and Bursar, presented to the

instructor for signature, and returned to the office of the Director of the department.

Substitution for certain subjects will be allowed upon application to the Director in cases where it is plainly evident that the student's efficiency will be increased by such change.

CREDIT.

Credit is allowed in applied music for work done in known institutions or under private teachers, after registration and satisfactory progress has been made in the subject in which credit is desired.

Students registered in the department are permitted to sing or play in public only upon recommendation from the instructor and permission from the office. Teachers will coöperate in preparing for public performance all students who will be a credit to themselves and to the school.

CURRICULUM LEADING TO TEACHER'S CERTIFICATE IN APPLIED MUSIC.

(PIANO, VOICE, VIOLIN)

Prerequisite, intermediate and advanced work in major subject (including Elementary Harmony I and II for piano students).

THIRD YEAR.

First Semester.	Second Semester.
Applied Music, 2 hours.	Applied Music, 2 hours.
Intermediate Harmony, 2 hours.	History of Music II, 2 hours.
History of Music I, 2 hours.	Recital.
Normal Methods in major subject (including 2 hours of practice teaching), 1 hour.	Advanced Harmony.

CURRICULUM LEADING TO DIPLOMA IN APPLIED MUSIC.

Prerequisite, certificate requirements, as outlined above.

FOURTH YEAR.

First Semester.	Second Semester.
Appied Music, 2 hours.	Applied Music, 2 hours.
Counterpoint and Composition I, 2 hours.	Counterpoint and Composition II, 2 hours.
Advanced Practice Teaching.	Advanced Practice Teaching.
Ensemble Playing.	Concerto with Orchestral Accompaniment.
Individual Recital.	Advanced Methods (in major subject, including 2 hours of practice teaching), 2 hours.

All electives in music are to be selected with the approval of the Director of the School of Music.

Candidates for the diploma in piano or violin shall offer fifteen hours of college work, at least ten of which shall be in English.

Candidates for diploma in voice shall offer not less than twenty-five hours college work, of which not less than ten shall be in English and ten in modern foreign languages.

All students enrolled for private study, class work, or in any musical organization are required to attend chorus and rehearsals.

ENTRANCE REQUIREMENTS.

For entrance to all curricula candidate must be a graduate of an accredited high school in Kansas, and submit transcript of record; if he be from another state, that he is a graduate of a high school accredited in the state from which he comes. Write the Registrar for blanks.

For entrance to any vocal curriculum leading to a degree or a diploma the candidate for admission shall furnish proof that he has completed grades one and two of the high-school vocal course of study, and grades one and two of the high-school piano course of study (or their equivalents) as outlined by the Kansas State Music Teachers' Association.

For entrance to any violin curriculum leading to a degree or a diploma, the candidate for admission shall furnish proof that he has completed grades one to six, inclusive, of the high-school violin course (or its equivalent) as outlined by the Kansas State Music Teachers' Association.

For entrance to any piano or organ curriculum leading to a degree or a diploma, the candidate for admission shall furnish proof that he has completed grades one to six, inclusive, of the high-school piano course of study (or its equivalent) as outlined by the Kansas State Music Teachers' Association.

Requirements in music for entrance to any curriculum leading to a certificate shall be the same as those curricula leading to a degree or a diploma.

Students who enter without the full requirements as scheduled above will be required to complete such work in the elementary courses offered in the high school.

CERTIFICATES AND DIPLOMAS.

A certificate to teach music in the elementary school and high school and the degree of Bachelor of Science in Music are given upon the completion of curricula covering two and four years, respectively. For requirements, see pages 48, 56, 57.

All applicants for any of these certificates or diplomas should select their courses with the Faculty Adviser for music courses, the Director of the School of Music.

Physical Education.

H. W. Hargiss, Director of Physical Education for Men.
A. A. Schabinger, Instructor.
Edna McCullough, Acting Director of Physical Training for Women.
Bernice Taylor, Instructor.
Janet Fotheringham, Instructor.

A special certificate to teach physical training in the elementary school and high school is issued. For requirements for this certificate, see pages 57, 59.

Gymnasium Costume for Men. The regulation costume is worn in all classes. It consists of a white, sleeveless shirt, white track pants and white tennis shoes. The suit complete can be secured from local dealers at a small cost.

Gymnasium Costume for Women. A regulation costume is worn in all classes. It consists of black serge bloomers, all-white middy blouse and black tennis shoes, and is sold by local merchants.

THEORY.

1.—History of Physical Education. (Men and women.) Two hours credit. Summer term, and each semester. A library and textbook study of ancient, modern and present-day physical training. A careful study

is made of the origin of systems and their adaptation to the educational needs of schools, colleges and nations. (Hargiss.)

2.—Playground Supervision and Instruction. (Men and women.) Three hours credit. Summer term, and each semester. This course is theory practice. The theoretical work deals with the psychology of play, construction and equipment of playgrounds, adaptation of play to varying ages, organization and daily programs, history and literature of the playground movement. Half the time of this course is devoted to the study and practice of playground games suitable for school children of the intermediate and upper grades. (Schabinger.)

3.—Theory of Coaching and Management of Men's Athletics. Three hours credit. Summer term, and each semester. A study is made of the different methods of teaching and coaching the major sports. The student gets a working knowledge of the finer points of football, baseball, basket ball and track athletics. (Schabinger.)

5.—Physiology of Exercise. (Men and Women.) Three hours credit. Summer term, and each semester. Physiology of Exercise is a discussion of the effects of physical exercise on the body. The reactions the various organs undergo, normally, etc., their continuity, coördination and integration. (Hargiss.)

4.—General Technic. (Men.) Two hours credit. Summer term, and each semester. In this course are given methods of handling classes in different phases of work. A critical study is made of tactics, gymnastics, folk dances, games and apparatus work, and their relation to the school curriculum. (Hargiss.)

5*s*.—Boy Scout Movement. (Men and Women.) Two hours credit. Summer term. A study of the boy scout, girl scout, and campfire girls organizations. For school superintendents, teachers, scout masters, and others. The value of scouting; analysis of the various activities as to their hygienic, physical, mental, and moral values; the adolescent during the scouting age. Practice in all the principal scouting activities and requirements; methods of establishing and maintaining scouting as a community enterprise. (Schabinger.)

6*a*.—Applied Anatomy. (Men and Women.) Two hours credit. Summer term and second semester. A practical application of anatomy and the study and coördination of muscles from the standpoint of physical education. (Taylor.)

8.—Methods of Physical Education and Coaching. (Women.) Three hours credit. First semester. Open only to freshmen and sophomores. If taken by juniors or seniors only one hour credit will be given. In this course are given methods for handling classes in the different phases of work. A critical study is made of tactics, gymnastics, folk dances, games and apparatus work, and their relation to the school curriculum. One period is devoted to methods of coaching. (McCullough.)

10.—Anthropometry.* (Men and Women.) One hour credit. Summer term, and each semester. Methods of measuring and testing the body, examination of the special senses, vitality and efficiency tests. Anthropometric charts, etc. Determination of normal and abnormal variations. (Hargiss.)

11.—Kinesiology. (Women.) Three hours credit. Second semester. Prerequisite, Human Anatomy. Students in this course are given two hours of lecture work a week and are required to do practice-work teaching three hours a week in a corrective class. In this course are taught

* This course cannot be submitted as credit for the degree of Bachelor of Science in Education, but can be submitted as credit for the degree of Bachelor of Science in Commerce or Music, or for any certificate.

massage movements for the different parts of the body. Exercises are also given for drooping head, round shoulders, hollow back, spinal curvature and other malpositions which should be corrected in the schoolroom. (McCullough.)

PRACTICE.

MEN'S DEPARTMENT.

Freshman and Sophomore years.

Required, one hour per semester (two or three periods per week in gymnastics or athletics for one hour credit), unless excused by the President.

In the practice of indoor and outdoor sports, attention is given to form and technique; adaptability of the individual to the various sports; conditions; rules and methods of scoring; team work and strategy. Teams for intercollegiate competition are maintained in football, basket ball, track athletics and tennis.

The rules governing eligibility for participation in intercollegiate contests are those of the Kansas College Athletic Conference.

2.—ELEMENTARY GYMNASTICS One hour credit. Marching tactics, free-hand and light apparatus exercises and gymnastic games. Special attention is given to the correction of faulty posture and carriage of the body.

3.—INTERMEDIATE GYMNASTICS. One hour credit. Body building and corrective exercises, gymnastic dancing steps, heavy apparatus exercises, and elementary tumbling. Prerequisite, course 2.

4.—ADVANCED GYMNASTICS. One hour credit. Offered the third and fourth terms to those prepared to take up athletics and folk dancing, individual and companion tumbling, and difficult exercises upon the heavy apparatus. Prerequisite, courses 2 and 3.

7.—FOOTBALL. One-half hour credit. Given during the fall, only to men in good physical condition as shown by physical examination. The squad is divided into teams according to ability.

8.—BASKET BALL. One-half hour credit. Classes are organized throughout the year. Class squads are organized from which teams are chosen for the interclass series. These games are played as curtain raisers to the intercollegiate games.

9.—BASEBALL. One-half hour credit. Given in season. Individual and team practice. The squad is divided in teams graded according to ability.

10.—TRACK AND FIELD ATHLETICS. One-half hour credit. Given in season, only to men in good physical condition as shown by physical examination. Cross-country running is given in season.

11.—FIELD HOCKEY. One-half hour credit. Given in season, only to men in good physical condition as shown by physical examination.

12.—TENNIS. One-half hour credit. Given in season. Tournaments in both singles and doubles are held.

13.—SWIMMING. One-half hour credit. Elementary and advanced instruction is given throughout the year.

WOMEN'S DEPARTMENT.

Purpose: The aim of the department is twofold: First, to bring each student to her best possible physical condition, and by a careful system of gymnastic training to correct faulty posture and carriage, to aid in

the formation of habits of hygienic living, to establish a normal condition in the circulatory and respiratory systems, to secure bodily vigor, and to obtain a healthful and systematic development, rather than to secure the greatest increase in muscular power. Students will be given special medical or corrective exercises prescribed according to individual needs as indicated by their physical examinations. In order that the effect upon muscles may be lasting and best results be obtained, students will not be excused from physical training until the required courses are satisfactorily completed, but the work will always be adapted to the individual needs. Second, to qualify them, as teachers, to intelligently consider the physical needs of their pupils, and to direct in the schoolroom daily exercises which will prevent or help to correct physical defects; also to teach in their playgrounds athletics, games, and folk dances.

Freshman and Sophomore Years.

Required, one hour per semester, unless excused by the President. (Three periods of work per week in gymnastics, athletics or other elective work during one semester of eighteen weeks gives one hour credit.)

2.—Elementary Gymnastics. Required of all beginners. Three periods a week for one semester.

3.—Intermediate Gymnastics. For students who have completed course 2, or its equivalent. Three periods a week for one semester.

4.—Advanced Gymnastics. Open only to students who have passed course 3 with high grades and physically adapted to apparatus exercises, and to special students. (Taylor.)

5.—Methods in Floor Work. Required of all students during their second year of college work who have completed course 2. Three periods a week, two of which are floor work, and one a lecture. Special attention is given to gymnastics, games and folk dances, suitable for the schoolroom and playground. During each half semester the lecture is given in the corrective department, where exercises and prescriptions are taught that may be used to correct common physical defects in children and older girls. During the second half of the semester each girl is required to teach, and criticism is given by the instructor and other members of the class. (McCullough.)

7.—Corrective Gymnastics. Open to all students who have need of remedial work. Special attention is given to those having spinal curvature, round shoulders, narrow chests, forward heads, weak backs, pronated ankles, or other physical weakness. (Fotheringham.)

8.—Outdoor Sports. Open to all students who have completed two terms of gymnastics. Three periods a week in season. In this course are taught a variety of games, including baseball, soccer, playground ball, cross ball, track athletics and relay racing. (Taylor.)

10.—Basket Ball. Open only to students who are physically qualified and who have passed course 2.

11.—Baseball. One period a week in season. (Fotheringham.)

12.—Hockey. One period a week in season. (Taylor.)

13.—Tennis. Open to all students having the privilege of electing athletics. One, two, or three periods a week.

14.—Swimming. One lesson a week is allowed each student. (Fotheringham.)

26.—Æsthetic Dancing (elementary). Two periods a week. The purpose of this course is to develop grace and freedom of movement. The classic dancing is emphasized, and is now considered one of the most important phases of gymnastic exercise. (McCullough.)

27.—Folk Dancing (intermediate). One period a week. In this course are taught the simple peasant and national dances suitable for recreative and exhibition work with children. (McCullough.)

28.—Æsthetic Dancing (intermediate). Open to all students who have completed course 26. (McCullough.)

29.—Folk Dancing (intermediate). One period a week. Open to all students who have completed course 27. (McCullough.)

30.—Advanced Æsthetic Dancing. (McCullough.)

31.—Advanced Folk Dancing. (McCullough.)

Physics.

Professor Drake.
Instructor Van Voris.

This department is located on the third floor of Norton Science Hall, occupying a suite of the following rooms: Lecture room, elementary laboratory, advanced laboratory, radio laboratory, photographic laboratory, department library, and office. Comprehensive equipment is furnished for the elementary and advanced courses. Electric current is supplied to all parts of this floor from a thoroughly up-to-date type of switchboard designed and built in this department. A gasoline engine and other farm, home and school appliances are provided for study purposes.

1.—Mechanics, Sound, and Heat. Five hours credit. Summer term, and first semester. Prerequisite, one year each of algebra and geometry, and high-school physics, or Physics 5. It is recommended that trigonometry be taken before this course or at the same time with it. The subject matter is presented with the view of furnishing a practical knowledge as well as the development of the cultural aspects. (Drake.)

2.—Light, Magnetism, and Electricity. Five hours credit. Summer term, and second semester. Prerequisite, course 1 or its equivalent. The viewpoint is the same as in the previous course. The application of light and electricity in the home, on the farm, and in the school are taken up in an applied way. (Drake.)

3.—Radio-telegraphy. Three hours credit. Summer term, and first semester. Prerequisite, course 2 or its equivalent. This course will cover the theory and practice of radio work. The laboratory work will consist of setting up actual apparatus, tuning, measuring waves, experimenting with detectors, and becoming acquainted with the various parts and kinds of wireless equipment, practice in sending and receiving. The department is equipped with sending and receiving sets. (Drake.)

4.—Advanced Light. Two hours credit. Second semester. Prerequisite, same as in course 3. Problems and experiments relating to illumination, the eye, the microscope, telescope, spectroscope and spectrometer, polarized light, the stereopticon, reflectoscope and the moving-picture machine. (Drake.)

5.—General Physics. Five hours credit. First semester. A rapid survey of the whole field of physics with the cultural aspects emphasized. Designed for those who do not offer physics for college entrance. (Drake, Van Voris.)

6.—Household Physics. Three hours credit. First semester. Designed for those specializing in home economics. It consists of a course of lectures, assigned readings, and laboratory work treating of labor-saving devices in the home, the principles of heating, ventilating, and lighting, of color phenomena, thermal principles employed in cooking devices, musical instruments, and of electrical appliances used in the home. (Drake, Van Voris.)

7.—Farm Physics. Five hours credit. Second semester. Prerequisite, high-school physics, and a specializing in agriculture. It takes up soil physics, farm machinery, electric and other light for the farm home, road making, rope tying, and such other topics as will give the best preparation in this line of work. (Van Voris.)

8.—Gas Engines and Automobiles. Three hours credit. Summer term, and second semester. Open to all students who have had high-school physics. Types of engines, cooling systems, valves, ignition systems, fuels, carburetors, governors, care and management of, engine troubles, auto unit power plant, auto troubles, horsepower of, materials and designs for special uses. (Van Voris.)

9.—Elements of Electrical Engineering. Three hours credit. Prerequisites, high-school physics and course 2; course 2 may accompany this course. A practical vocation course including house wiring, the study of generators, motors, storage batteries, lighting plants, ignition systems, transformers, converters and of projection apparatus, including the use of moving-picture machine. This course is planned for teachers of manual training, physics, or for students who may later enter an engineering school. (Drake.)

50.—Teaching of High-school Physics. Two hours credit. Summer term. Open only to those specializing in this department as a teachers' course and might well be taken in connection with practice teaching. Students must have had at least ten hours of College Physics before undertaking this course. The organization of secondary physics courses, the equipment of laboratories, economical purchase of apparatus and supplies, care of apparatus, arrangement of laboratory, and a thorough examination of the state text and manual, are some of the matters dealt with in this course. (Drake, Van Voris.)

52*a*.—Advanced Mechanics. Three hours credit. Summer term, and first half of first semester. Prerequisites, courses 1 and 2, and trigonometry. Practical problems and experiments related to forces in commercial structures, work, power, electricity and mechanics of fluids. (Drake.)

52*b*.—Advanced Heat. Two hours credit. Second half of first semester. Prerequisites, same as for 52*a*. Problems and experiments related to fuels, calorimetry, steam and gas power plants, gas engines and refrigeration plants. (Drake.)

53.—Advanced Magnetism and Electricity. Four hours credit. Second semester, and even summers. Prerequisites, same as for 52*a*. Problems and experiments in magnetism and electrical experiments, study and use of direct-current and alternating-current instruments and machinery. (Drake.)

54.—Advanced A. C. Electricity. Three hours credit. Second semester, on demand. Prerequisite, course 53. Practical problems and experiments in alternating-current electricity, study and use of alternating-current instruments and machinery. (Drake.)

55.—Advanced General Physics. Five hours credit. Prerequisites, courses 1 and 2, and calculus. This course is designed for those specializing in physics and mathematics, and for those who expect to take graduate work. It takes up an advanced treatment of the principles of general physics from the mathematical standpoint. (Drake.)

Physiology and Hygiene.

Professor WHITE.

1.—FUNDAMENTALS OF PHYSIOLOGY. Three hours credit. Summer term, and each semester. An elementary course with college credit for those students who have not taken physiology in high school, and will satisfy the three-year certificate requirement in physiology for these students. The work will consist of a comprehensive discussion of the basic principles of physiology, and emphasis will be laid upon the relation of the body functions to personal efficiency. From time to time laboratory apparatus and sections of normal tissue will be used to give a better idea of the subjects under discussion.

5.—HYGIENE AND SANITATION. Three hours credit. Summer term, and each semester. A course dealing with the practical phases of hygiene and sanitation as it affects the conditions under which we live and exist. A few of the subjects taken up will be as follows: Air, humidity and its effect on health; ventilation; dust and its removal; heating systems, methods, etc.; water—composition, properties, impurities, purification systems, filtration, sedimentation, reservoirs, watersheds, chemical tests, etc.; sewage removal, disposal plants, plumbing; garbage disposal; food—adulterants, laws applying, preservatives, energy value, etc.; exercise; clothing; personal hygiene, industrial hygiene, effects of certain occupations, etc.; length of working day; school hygiene, site, structure, medical inspection of, etc.; military hygiene; naval hygiene; soil; habitations—site, walls, foundations, roof; flies, mosquitoes, etc.; disease—epidemics, immunity, susceptibility, vaccination; disinfection—methods, etc.; quarantine—laws and customs in different localities; vital statistics. Practical field trips will be taken to observe dust removal, ventilation systems, heating plants, refrigeration plants, slaughterhouses, garbage incinerators, waterworks systems, etc.

7.—HISTOLOGY. Two hours credit. Second semester. A study of the structure of the organs and tissues of the body, both macroscopic and microscopic, including the glands, blood vessels, muscles, nerves, skin, kidney, liver, stomach, pancreas, spleen, etc. Laboratory work will be an integral part of the course. The permanent mounts of sections of tissue will be the property of the individual students at the completion of the course, and will be invaluable for illustrating work in physiology, for the teacher who wishes to get permanent results.

8.—SCHOOL AND PERSONAL HYGIENE. Three hours credit. Summer term, and each semester. This course will take up particularly those problems arising in the hygiene and sanitation of the public school and grounds. It will also emphasize personal hygiene as it is related to the pupil and to the teacher; personal prophylaxis and how to encourage it will also be carefully considered. The school nurse and medical inspection of schools will be important topics.

50.—ADVANCED PHYSIOLOGY. Five hours credit. Summer term, and each semester. Prerequisite, a high-school course in physiology, or course 1. Frequent illustrations of the subject under consideration will be given by use of laboratory apparatus and methods. In addition to a careful discussion of the functions of the blood, lymph, digestive tract, nervous system, skin, glands, respiratory organs, muscles, etc., conference topics will be assigned to each student during the course, on pertinent subjects on which students will be asked to make special research and read the results of their investigations in class.

51.—PHYSIOLOGY OF ALIMENTATION AND DIETETICS. Two hours credit. Second semester. Particular stress will be laid upon the study of the action of the enzymes and the secretions of the glands of the stomach and intestines, also the secretions of the salivary glands and pancreas. The

process of absorption, assimilation, emulsification, saponification, and their relation to nutrition, are studied in detail. The calorie values of the constituents of food are given proper consideration, and the proper amount of each constituent in a daily diet with relation to the amount of physical or mental work done. A careful study of the bacteria of the alimentary tract, and conditions under which they multiply, will also be included. Prerequisite, course 1 or General Chemistry.

53.—Human Anatomy. Five hours credit. First semester. A thorough study of the bones, muscles, and internal organs. Prerequisite, Advanced Physiology.

Psychology and Philosophy.

Professor Triplett.
Associate Professor DeVoss.

PSYCHOLOGY.

1.—General Psychology. Three hours credit. Summer term, and each semester. A systematic treatment is given with some attempt at pedagogical application. Some experimental work in the line of illustration, a number of class experiments, and special topics for individual study and report are given.

2.—Elementary Educational Psychology. Three hours credit. Summer term, and each semester. Prerequisite, high-school psychology. This course is not open to students who have taken General Psychology. The course deals with the psychology of the learning process of school children.

3.—Child Psychology. Two hours credit. Each semester. Course 1 or 2 is a prerequisite. Treats generally of the mental development of children, aiming to give a point of view. Seeks to give a knowledge of the nature and needs of the child at the different periods of his growth. Direct observations are made and various investigations studied.

4.—Genetic Psychology I. Two hours credit. First semester. Prerequisite, course 1 or 2. The study of the behavior of animals and primitive man with the purpose of giving an understanding of the beginnings and development of institutions and human activities which are of importance to-day. The problem of learning is studied from the genetic standpoint.

6.—Social Psychology. Two hours credit. Second semester. Prerequisite, course 1 or 3. A study of those interests and instinctive tendencies of the mind that are the result of the community life of the race. It is meant to throw light on the nature of society and to give a basis for a more truly social pedagogy. This course may be taken as a part of six additional hours in professional requirements.

7.—Clinical Psychology. Three hours credit. Summer term, and each semester. Prerequisite, course 1 or 2. Many of the intelligence tests now published are examined. A number of them are used. The students are trained in the use of intelligence tests. A clinic is conducted in which retarded, dull, and superior children are studied.

8.—Business Psychology. Three hours credit. Prerequisite, Elements of Psychology, or Elementary Educational Psychology. This course deals with the application of psychological principles and research to everyday business problems such as advertising, salesmanship, selection of personnel, and incentives to greater efficiency.

50.—Psychology of Religion. Two hours credit. On demand. Prerequisite, course 1 or 2. A study of the psychological phases of religion, with the aim of improving the quality of religious pedagogy, particularly in high school, in Sunday school, and in missionary work.

52.—Educational Psychology. Three hours credit. Summer term, and second semester. Prerequisite, course 1 or 2. In this course important topics in psychology are treated in their educational aspects. Many of these—of the utmost value for the teacher—such, for instance, as the learning process, economical methods of memorizing and making associations, the education of the senses, intelligence tests, etc., have little or no space in the ordinary textbooks. Each student also, as a special study, is required to deal with the psychology of some subject in the curriculum, as the psychology of spelling, of reading, of arithmetic, and the like.

53.—Psychology of Adolescence. Three hours credit. Summer term, and first semester. Prerequisite, course 1 or 2. A study of the important physical, mental and moral changes which are natural to adolescence. Given with the aim of laying a foundation for the pedagogy of secondary instruction.

55.—Abnormal Psychology. Two hours credit. First semester. Prerequisite, sixty hours of college work. A study which includes disturbances and defects of personality. A study of the morbid and pathological, of the various phases of the psychology of tension and catharsis, the methods of psycho-analysis, including the association method and hypnotism.

56.—Vocational Psychology. Two hours credit. Second semester. Prerequisite, course 1 or 2. Education has become interested in the task of finding how it may better ascertain and direct the vocational interest of children. This course presents some of the problems and methods of the branch of applied psychology which deals with individual differences in mental constitution and which has given us a beginning in the work of vocational direction.

57.—Genetic Psychology II. Two hours credit. Second semester. Prerequisite, course 1 or 2. A study of the behavior of primitive man, tracing his mental, moral, religious, æsthetic, social and industrial development in those aspects which concern the genesis of the subject matter of education. A special reference to the mental life of the child among primitive people.

PHILOSOPHY.

60.—Ethics. Two hours credit. First semester. This course begins with a study of the developmental side of the subject. Attention is then given to the systematic side and practical applications made.

63.—Introduction to Philosophy. Two hours credit. Beginning the study of the general philosophical territory, such as consideration of materialism, realism, the various bonds of idealism, etc.

Public Speaking and Expression.

Professor Gilson.
Associate Professor Davis.
Instructor Parsons.

It is the purpose of the Department of Public Speaking and Expression to enable its students to speak the English language distinctly and correctly; to express the masterpieces of literature with true meaning and feeling; to address an audience easily and effectively; and to have so thorough a knowledge of the methods used that they may teach the subject wisely.

All courses offered are limited to twenty students.

PRIVATE LESSONS. It is necessary that the student who majors in this department have much individual work. For this, the private lesson is offered, to be arranged after consultation with the head of the department. A special fee is required. Persons interested should consult Professor Gilson.

1.—ORAL ENGLISH. Three hours credit. Each semester. Prerequisite to other courses. This is a beginning course and gives a general survey of Public Speaking and Expression and is introductory to more specialized courses. Its aim is to create within the student correct speech habits as to language, voice, pronunciation, and thought process. The course includes much drill in platform work, both in extemporaneous speaking and oral interpretation of literature.

2.—EXPRESSION I. Three hours credit. Summer term, and each semester. A course in the underlying principles of expression, including training in voice, pronunciation and bodily expression as applied to interpretation of literature. The course is designed to help teachers make all oral exercises in the classroom intelligent and pleasing. Some practice will be given in story-telling, and causes and remedies for defective speech will be considered. (Gilson.)

3.—PUBLIC SPEAKING. Three hours credit. Summer term, and each semester. A course in extemporaneous speech. Phillip's Effective Public Speaking is used as a text, and much drill is given in the presentation of speeches. The aim of the course is principally to give the students ease and effectiveness in public speech. (Gilson.)

4.—STORY-TELLING. Three hours credit. Each semester. Prerequisite, Fundamentals of Expression. Aims to develop in the student the power to discover in the world's literature, in history and in life the best stories for education, and to tell them well; also to foster creative work in arranging stories from classic and historic sources for presentation in special grades, including high school. (Gilson.)

6.—DRAMATICS. Two hours credit. Summer term, and each semester. Prerequisite, course 1, or its equivalent. A course in presentation of farces and plays. The aim of the course is to gain a clear understanding of the dramatic form in literature and to give the student practical knowledge of how to stage a play. (Gilson.)

7.—ADVANCED PUBLIC SPEAKING. Three hours credit. Each semester. Prerequisite, course 2, and Composition and Rhetoric I. This course is a continuation of course 2. Winan's Public Speaking is used as a text. Careful attention is given to the delivery and construction of the speech.

9.—EXPRESSION II. Three hours credit. Summer term, and each semester. Prerequisite, course 1. A continuation of course 1. Drill in platform work, arranging programs, making readings from stories and plays. (Gilson.)

54.—PAGEANTRY. Two hours credit. Summer term. A course designed primarily to enable teachers to write and produce pageants in their community. It will cover such points as writing and staging a pageant, also costume, music, and dancing in their relation to pageantry.

10.—ARGUMENTATION AND DEBATE. Three hours credit. Each semester. A good text is used for the basis of actual work in debate. The matter of debate work is considered both as to form and matter.

52.—THE OCCASIONAL ADDRESS. Two hours credit. Each semester. Prerequisite, courses 1, 4 and 5. This course consists of a study of the formal lecture. It gives special attention to addresses appropriate for commencement, Memorial day, the banquet and the chautauqua.

53.—Platform Reading. Two hours credit. Each semester. Prerequisite, courses 1, 2, 4 and 5, also three hours of Literature. This course is intended especially for those who wish further training in platform art. Each student will prepare a short program taken from standard literary material. (Gilson.)

59.—Methods in Oral English. Two hours credit. Second semester. Prerequisite, courses 1, 2 and 4. A pedagogical course dealing with the teaching of the following forms: Reading, extemporaneous speaking, debate, orations, school plays. (Gilson.)

School Administration.

Professor Carothers.
Associate Professor DeVoss.

10.—Educational Measurements I. Two hours credit. Summer term, and each semester. Prerequisite, Elementary Instruction. A course for teachers and students in which they study the functions of examinations and tests. The students are instructed in the use of standardized tests and measuring devices. They are made acquainted with typical measuring devices for each of the school subjects and are taught the methods of tabulating and interpreting scores. Actual classroom situations are studied.

12.—The Junior High School. Two hours credit. Summer term, and second semester. A study of the causes which combine to make the Junior High School a fundamental unit in our system of education. The aim, purpose and method of the Junior High School are considered, together with the question of its adaptation to middle-western conditions. The course is designed for those preparing for junior high-school work and students of education.

50.—History of Education. Two hours credit. Summer term, and first semester. Emphasis is placed on the modern aspects of the history of education. The aim of the course is to give the student a perspective of the modern school and to throw light on problems of the present time by the aid of past experience.

52.—Educational Measurements II. Two hours credit. Second semester. Prerequisite, Educational Measurements I. This is a study of statistical methods, as applied to educational situations. The methods of devising and standardizing educational tests, the use of educational tests in school surveys, and the diagnosis of classroom situations, are also studied.

53.—Supervision of Instruction. Two hours credit. Summer term. This course is an inquiry into the nature of supervision and an exposition of specific measures that may be taken to improve instruction. It can be pursued to better advantage after a course in educational measurements.

55.—Principles of Education. Three hours credit. Summer term, and each semester. For students who have completed sixty hours of College credit. The course is devoted to the consideration of the basic principles underlying the educative process and the progress of society through educational agencies. Special attention is given to the curriculum, its organization and administration.

60.—Educational Administration. Three hours credit. First semester. This course is designed for students who are preparing definitely for administrative work in education. It consists of the study of the larger problems of educational administration and especially with city school surveys. It is an advanced course and should not be taken, except in rare cases, before the senior year.

62.—High-school Administration. Two hours' credit. Summer term, and each semester. Historic sketch of secondary education; growth of secondary education in Kansas; survey of high schools of the state; problems of discipline; athletics; schedule-making; teaching pupils to study; the library; the village type of mind and its bearing on school administration. This course is for the principals and superintendents of small towns and deals with the school system from the point of view of the village community. This course is not open to students who have credit in Administration of the Small Town and Rural High School.

Rural-School Administration.

Professor Culter.
Instructor Smith.

1.—Rural-school Administration. Two hours credit. This course is intended for those who are interested in rural schools or intend to teach in consolidated or small village schools. It consists of a study of the school site and grounds, modern schoolhouses, school hygiene and sanitation, training of teachers, play and playgrounds, the library and its uses, agriculture, consolidation, standardization of rural schools, etc. Emphasis will be placed on conditions as they exist in the country, and how to bring about a closer union of school and home. This course is not open to students who have credit in Graded-school Administration or Graded-school Mechanics.

2.—Rural-school Instruction. Three hours credit. Summer term, and second semester. This course satisfies the former requirement of three hours of general methods and observation. Its aim is to give the student instruction in how to teach the common branches of the rural-school curriculum. Some of the underlying principles of general methods will be studied, and then their application to specific subjects will be considered. The motivation and socialization of subjects in the country school program and the primary work of the rural school, such as primary reading, number work, seat and language work, will receive attention. This course is not open to students who have credit in Methods in Elementary Instruction.

3.—Grade-school Mechanics. Two hours credit. Classroom organization and routine; the daily program and regular and special reports; tests and measurements; selection and care of equipment; the problems of discipline; professional relationships and professional ethics. A consideration of how the teacher may coöperate with the supervisor and administrator. This course is not open to students who have credit in Graded-school Administration or Rural-school Administration.

5.—Rural-school Instruction and Administration. Five hours credit. First semester. This course gives instruction in the teaching of the common-school subjects, adapting methods and plans to conditions found in the rural schools. Combined with this course is the course in Rural-school Administration. This course satisfies the life certificate requirements for methods and school administration. This course is not open to students who have credit in Methods in Elementary Instruction, Graded-school Administration or Graded-school Mechanics.

8.—Rural Life Problems. Three hours credit. Summer term, and second semester. This course consists of a discussion of the problems of rural life under the general topics of The Rural Problem, Rural Industrial Problems, and Rural Social Problems. We consider the specific problems of isolation, tenancy, roads, movement of farm population, home environments, schools, the church, farm organizations, social life, etc.

9.—Rural Sociology. Three hours credit. Second semester. A study of social conditions and problems in rural districts and villages. An

analysis is made of the various agencies for rural betterment, such as the need of amusement, social organization and coöperation, school and church centralization. Particular attention is paid to Kansas conditions.

10.—County Supervision. Four hours credit. Upon sufficient demand. In this course a study is made of certain sections of the Kansas school law, comparing our laws with those of other states. Other subjects considered are office work and the making of official papers, organization and administration of rural schools, maintenance of schools, supervision of rural schools, schoolhouse and grounds, consolidation, etc., using as a text Cubberley's Rural Life and Education and the Twelfth Yearbook of National Society for the Study of Education. This course is offered by correspondence.

11.—Rural Economics. Two hours credit. In this course the theories of economics most prominent in agriculture are emphasized. The illustrative material used is drawn mainly from farm sources. It is intended to make the course as distinctly practical as possible.

12.—Practice Teaching in Rural Schools. Four hours credit. An opportunity will be given students to do four hours of their practice teaching in a rural or small town school. For a detailed account of this course see The Teacher Training System.

50.—State and County School Administration. Three hours credit. Summer term. The work of this course will be based on Cubberley's Source Book in the above subject. Division 1 of this text treats of American Federal and State Policy; division 2, of State Administration Organization; division 3, of Extent of the Educational System; division 4, of Financing the School System; division 5, of Material Environment and Equipment; division 6, of The State and the Teacher; and division 7, of The Oversight of the State. As this is a source book, no principles are established nor conclusions drawn. These will be left for the class to formulate. The class work will be conducted in the following manner: One member of the class will be assigned a certain topic, as Training of Teachers. He will study the subject, write his conclusions, and present them to the class. In the meantime the class will have studied the subject, and when the paper is presented the class will be ready to discuss and criticize the conclusions of the one who has made a special study of the subject. In this way each one will make a thorough study of a few topics and get a general view of all the work.

51.—Foreign Rural-school Systems. Two hours credit. Summer term. A study of the school systems of Denmark, Switzerland, Germany, France, Great Britain, etc., will be undertaken in this course. Their suggestions for modifications of our school systems will be considered. Later a course in American school systems will be offered. These courses will be of interest to superintendents of counties and small towns.

52.—Administration of Small Town and Rural High Schools. Three hours credit. A consideration of the problems of organization and administration of schools in rural communities and in towns of less than four thousand population. This course is designed primarily for persons who are engaged or expect to become engaged in administrative school work outside of our large towns. The superintendent as a social and educational agent. A careful study will be made of the work of the superintendent in administration of the school, in interpretation of the courses of study, the supervision of instruction and recreation, the study of pupil and community needs and as the head of a community center social and educational institution. This course is not open to students who have credit in High-school Administration.

53.—Rural-school Seminar. By consultation with the head of this department some rural-school problem, or rural-school survey, may be worked out. The number of hours credit will depend upon the amount of work required for completing the project.

Sociology and Economics.

Professor Myer.

The work in this department is designed to furnish a background for the study of the social and economic problems with which intelligent citizens are concerned. It is intended that the courses may supply material which may be useful to those who seek to analyze and interpret and, in a measure, control social and economic forces. An important feature of all the work is the attention given to public opinion and the technique of its operation. Leading journals of opinion are studied critically. All the classes are conducted by the text, discussion and supplementary lecture method, except Educational Sociology, which is a lecture course. Students are not required to buy texts, but instead pay a small materials fee to cover costs of the materials for study, which are available in the library.

SOCIOLOGY.

1.—Principles of Sociology. Three hours credit. Summer term, and each semester. This course is introductory to all the sociological work. E. A. Ross's Principles of Sociology is used as a basis, and the course deals with the general field of sociology. Further information may be had of the instructor.

50.—Sociological Problems. Three hours credit. Second semester. Prerequisite, Principles of Sociology. The nature of this work may vary from semester to semester according to demand. At present the course is devoted to a study of the theories of social progress.

51.—Social Pathology. Two hours credit. Prerequisite, General Sociology or Clinical and Abnormal Psychology. This course is a general study of dependents, defectives and delinquents. Special attention will be given to conditions in Kansas and the penal, charitable and educational institutions established to care for the poor, the insane, the unfortunate, and the criminal. Various plans for improving present conditions will be investigated and the best scientific thought along these lines elaborated.

52.—Educational Sociology. Three hours credit. Summer term, and first semester. Prerequisite, Psychology. The most remarkable developments in the educational field in the past few years have been along social lines. The individualistic point of view is giving way to the social, and the school is becoming more and more a part of community life. The affiliation of the school with the home and the church, with industry and the government, must be made more complete and perfect. To emphasize this broader point of view, and to trace fully the relation of the school to the other educational institutions of life, is the purpose of educational sociology.

53.—The Socialization of the Curriculum. Two hours credit. On demand. Prerequisites, Methods in Instruction, General Psychology, also General Sociology unless special permission of the instructor is secured. A seminary course consisting of detailed studies of the means and methods of working over each subject in the public-school curriculum so that it will fit the pupil most easily and effectively for meeting the actual conditions of life outside the schoolroom. May well be taken in connection with Educational Sociology.

ECONOMICS.

1.—Principles of Economics. Five hours credit. Summer term, and each semester. This is the beginning course for students of economics. Marshall's Readings in Industrial Society is the basis for the work, and

the course is that worked out at the University of Chicago and given there and elsewhere as the introductory course in the department of economics.

2.—Economic History of the United States. Three hours credit. Second semester. An economic interpretation of American history covering the period from 1789 to the present. A study is made of the economic backgrounds of various political programs. The Riverside histories are used in this course.

51.—Money and Banking. Two hours credit. Second semester. A study of the history and principles of money and credit, banking, history, theory and practice and some of the financial problems of the day.

53.—Labor Problems. Three hours credit. First semester. A study of the problem of industrial control which the labor movement has brought about. Considers such problems as the open and the closed shop, strikes, profit-sharing, welfare movements, participation by labor in the control of industry.

TEACHER TRAINING SYSTEM.

——— Director.

Introductory Subjects.

Director ———.
Professor CULTER.

1.—ELEMENTARY INSTRUCTION. Three hours credit. Not open to students who have credit in rural-school instruction. Prerequisite, Elements of Psychology, or Elementary Educational Psychology. High-school psychology is not a prerequisite for this course. This is a foundation course for teachers and must be taken as a prerequisite to Kindergarten Play Materials and Primary Methods. It must also be taken by all students who are candidates for the life certificate who expect to teach in the intermediate, grammar, or junior high-school grades of cities.

A general synopsis of the course follows: Education as growth; interaction between the child and his environment; the mental adjustments of the child (typical modes); the social efficiency aim of education; the curriculum as an instrument of social efficiency; socializing school procedures; project-problem instruction; the method of socializing instruction; the function of the kindergarten in the socially efficient elementary school.

The functions of the subjects of the curriculum in the elementary school: Reading, language, grammar, spelling, writing, arithmetic, geography; elementary science, including the elements of agriculture and social hygiene and sanitation; history and civics, music, industrial arts, and physical training.

2.—RURAL-SCHOOL INSTRUCTION. Three hours credit. Not a prerequisite for Kindergarten Play Materials or Primary Methods. Not open to students who have credit in Elementary Instruction. The aim of this course is to give the student instruction in how to teach the common branches of the rural-school curriculum. Some of the underlying principles of general methods will be studied, and then their application to specific subjects will be considered. The motivation and specialization of subjects in the country school program and the primary work of the rural schools, such as primary reading, number work, seat work, and language work will receive attention.

50.—HIGH-SCHOOL INSTRUCTION. Three hours credit. This course is prerequisite to practice teaching in the Junior and Senior High School. Prerequisite, Educational Psychology, and seventy-five hours of college credit. A brief introduction dealing with the traditional elements in high-school instruction, aims and practices, the influence of the college upon high-school instruction, aims and practices, the prevailing tendencies of preparatory instruction reappearing in vocational instruction, and preparatory instructional tendencies at the close of the nineteenth century. The curriculums of junior and senior high schools: The social core of constants, elective groups, free electives, guidance administration. Values and methods of instruction in the various branches, including the socialized recitation and supervised study.

A.—KINDERGARTEN DEPARTMENT.

Professor HARRIS.
Miss SMITH.

1.—PRACTICE TEACHING IN THE KINDERGARTEN I. Four hours credit. Students teach and observe in the kindergarten two and one-half hours daily under supervision, prepare written plans, and attend conferences. Each student is responsible for a group of children, and is called upon to take charge of the kindergarten at stated times.

2.—PRACTICE TEACHING IN THE KINDERGARTEN II. Four hours credit. Summer term, and each semester. A continuation of course 1. Students teach and observe in the kindergarten two and one-half hours daily under supervision, prepare written plans and attend conferences. Each student is responsible for a group of children, and is called upon to take charge of the kindergarten at stated times.

3.—KINDERGARTEN PLAY MATERIALS. Three hours credit. First semester. A study of the activities of young children. An analysis of the common play materials of children as a basis of determining the principles governing the selection and use of materials in the kindergarten. The Froebelian gifts; the principles on which they were planned. Modern adaptations and modifications of these. Practice in the manipulation of materials. A study of methods in the use of materials.

4.—HANDWORK FOR THE KINDERGARTEN AND PRIMARY GRADES. Three hours credit. Second semester. A study of the principles and methods which give educative value to handwork for young children. The aim is to discuss and use practically materials in which may be found the beginnings of art and of industry, and also materials which meet the constructive instinct as it functions in the play life of the child.

5.—KINDERGARTEN PLAYS AND GAMES. Two hours credit. Summer term, and each semester. A study of the different periods in a child's development; the instincts, impulses and natural play activities of each period. The significance of play as a factor in education; its relation to work. A study of different types of games. Selection and adaptation of games for kindergarten and primary use. The actual playing of games.

6.—THE PERIOD OF INFANCY. Three hours credit. First semester. This course aims to give an insight into child nature and its needs as a basis for kindergarten procedure. The work is carried on by means of observation of children in kindergarten and home, by the study of Froebel's Mother Plays and of more modern child-study literature. A comparison is made between the kindergarten procedure as developed by Froebel and that of to-day, reconstructed in the light of modern genetic psychology and child study.

7.—KINDERGARTEN PROGRAM. Three hours credit. Second semester. Prerequisites, Kindergarten Play Materials, Handwork for the Kindergarten and Primary Grades, Kindergarten Plays and Games and the Period of Infancy. The study of kindergarten activities and materials leading to the organization of a kindergarten program. The principles controlling such an organization. Each student will be required to write in outline a year's plan of work for a kindergarten, and will also plan the equipment for a kindergarten.

8.—WEEKLY CONFERENCE. No credit. One hour each week. Required of all kindergarten students. A study of the kindergarten program as it is carried out from week to week in the Normal School Kindergarten, with a discussion of subject matter, materials and methods, and a study of individual children. This course forms the class conference for those doing practice teaching in the kindergarten.

B.—PRIMARY DEPARTMENT.

Professor HARRIS.
Miss GEORGE.
Miss JOHNSON.
Miss HATFIELD.
Mrs. BIXLER.

1.—PRIMARY METHODS. Four hours credit. Summer term, and each semester. Prerequisite, Elementary Instruction. The purpose of this course is to offer in lecture form a critical study of methods of presenting the principal subjects of instruction in the lower grades, and to stress habits of work. This work is more extended and definite on the various subjects than is possible in the limited time available in connection with the academic and advanced treatment of the same. The teacher will be led to test methods and to govern the application of the same by laws of the mind. After each subject is completed illustrative lessons will be given with the pupils of the first three grades of the Training School.

(1) *Primary Methods.*—Meaning and purpose.

(2) *Reading.*—Study of methods, past and present. The teacher's problems in connection with "beginning reading" without text. The teacher's problem when using the text. Thought work, including expression, dramatic work, etc. Mechanics, melodic phonics, word study, drills, etc. Lists of the best readers.

(3) *Nature Study and Language.*—Selecting the material for nature study. How used as a foundation for the language work. The purpose of language in the lower grades. The use of the picture, poem and story, and correlation with nature work. Mechanics of language.

(4) *Primary Numbers.*—A study of methods, past and present. The teacher's guide in selecting and presenting material. What shall we teach? How? Means of presenting new ideas through use of objects, construction work, etc. Drills, purpose, formal drills, devices, games, etc.

(5) *Geography.*—Its place in the primary course. Life work and map work throughout the lower grades. Home or local geography. Outdoor and field lessons, excursions to shops, etc. The use of sand modeling, posters, stones, pictures, etc., in teaching primary geography.

(6) *Music.*—The two phases of work—rote singing and the mechanics of music. Value and use of each. Tone work, breathing, rhythm, ear training, eye training; analysis of songs, and how to teach them.

51.—ADVANCED METHODS IN PRIMARY INSTRUCTION. Three hours credit. Each semester. Prerequisites, Elementary Instruction, Primary Methods, Practice Teaching, and at least one year's teaching in public schools. Purpose of the course: To make a study of the methods of teaching, some one subject to be presented in the primary grades for the purpose of instruction and of assisting other primary teachers. Plan of the course: (1) Constructive criticism. Observe student teachers in the elementary training school and report in regard to best plans of meeting these teachers and helping them. (2) Visit city schools and note methods used. (3) Read books showing the best methods. (4) Compare methods and select. (5) Outline the talk or explain and write. (6) Make plans for illustrative lessons.

NOTE.—For information regarding student teaching and prerequisite subjects for the kindergarten, primary grades, intermediate grades, rural schools, junior and senior high schools, see the following sections, I, II, III, IV, V, VI.

STUDENT TEACHING PREREQUISITES AND REQUIREMENTS.

I. For the life certificate to teach in the kindergarten, and also for the kindergarten special proficiency certificate.
  1. Prerequisites for teaching.
    (*a*) Elements of Psychology or Elementary Educational Psychology ..... 3 hours.
    (*b*) Elementary Instruction ..... 3 hours.
    (*c*) Primary Methods ..... 4 hours.
    (*d*) Kindergarten Technics ..... 3 hours.
    (*e*) Subject-matter (including six hours of required English) about ..... 20 hours.
      (1) Definitely prescribed.
  2. Teaching, which includes the following requirements, 10 hours.
    (*a*) Teaching participation in kindergarten, 12½ hours per week for one semester.
    (*b*) Conference with supervisors, 1 hour per week for one semester. (See conference schedule.)
    (*c*) Personal conference with supervisors, on call.
    (*d*) Conferences with director of teacher training, on call.
    (*e*) Teaching participation in primary grades, 5 hours per week for one-half semester.
    (*f*) Conferences, same as above.

II. For the life certificate to teach in the primary grades.
  1. Prerequisites for teaching.
    (*a*) Elements of Psychology or Elementary Edutional Psychology ..... 3 hours.
    (*b*) Elementary Instruction ..... 3 hours.
    (*c*) Primary Methods ..... 4 hours.
    (*d*) Educational Measurements I ..... 2 hours.
    (*e*) Subject-matter (including six hours of required English) about ..... 20 hours.
      (1) Definitely prescribed or suggested.
  2. Teaching, which includes the following requirements, 4 hours.
    NOTE.—Six hours of practice teaching are required for special proficiency certificate.
    (*a*) Teaching participation, 5 hours per week for one semester.
    (*b*) Personal conferences with supervisor, thirty minutes each week.
    (*c*) Personal conferences with head of primary department or assistants thirty minutes, on call.
    (*d*) Regular conferences, one hour each week, with head of primary department.
    (*e*) Conferences with director of teacher training, on call.

III. For the life certificate to teach in the intermediate grades.
  1. Prerequisites for teaching.
    (*a*) Elements of Psychology or Elementary Edutional Psychology ..... 3 hours.
    (*b*) Elementary Instruction ..... 3 hours.
    (*c*) Educational Measurements I..... 2 hours.
    (*d*) Subject-matter ..... 18 to 24 hours.
      (1) In each of three departments, including the English department.... 6 to 8 hours.
  2. Teaching, which includes the following requirements, 6 hours.
    (*a*) Teaching participation, 5 hours per week for one semester.

(*b*) Conferences with supervisors, 2 hours per week for one semester. (See schedule for conferences.)
(*c*) Personal conferences with supervisors, on call.
(*d*) Conferences with head of Intermediate Grades Department or with the director of teacher training, one hour a week.

IV. For the life certificate to teach in elementary rural schools.
1. Prerequisites for teaching.
(*a*) Elements of Psychology or Elementary Edutional Psychology ..... 3 hours.
(*b*) Rural School Instruction and Administration, 5 hours.
(*c*) Educational Measurements I..... 2 hours.
(*d*) Subject-matter ..... 16 to 24 hours.
(1) In each of four departments, including the English Department..... 4 to 6 hours.
2. Teaching which includes the following requirements, 6 hours.
(*a*) Teaching participation, 5 hours per week for one semester.
(*b*) Conferences with supervisors, 2 hours per week for one semester. (See schedule for conferences.)
(*c*) Personal conferences with supervisors, on call.
(*d*) Conferences with professor of rural-school administration, one hour a week.

V. For the life certificate to teach in junior high schools.
1. Prerequisites for teaching.
(*a*) Elements of Psychology or Elementary Edutional Psychology ..... 3 hours.
(*b*) Elementary Instruction ..... 3 hours.
(*c*) Educational Measurements I..... 2 hours.
(*d*) Subject-matter ..... 18 to 24 hours.
(1) In each of two departments, including the English Department..... 9 to 12 hours.
2. Teaching, which includes the following requirements, 6 hours.
(*a*) Teaching participation, 5 hours per week for one semester.
(*b*) Conferences with supervisors, 2 hours per week for one semester. (See schedule for conferences.)
(*c*) Personal conferences with supervisors, on call.
(*d*) Conferences with principal of junior high school or with the director of teacher training, one hour a week.

VI. Requirements for the B. S. degree in Education to teach in senior or junior high schools.
1. Prerequisites for teaching.
(*a*) *High-school Instruction is a prerequisite for teaching in the Junior and Senior Divisions of the Roosevelt High School, and it must be completed before the student enrolls for teaching. This course is required for the B. S. degree in Education, B. S. degree in Commerce and the B. S. degree in Music.*
(*b*) All present requirements listed in the current catalogue except special methods subjects.
(*c*) Subject-matter majors and minors required for the degree.

2. Teaching, which includes the following requirements, 4 hours.
   (*a*) Teaching participation, 5 hours per week for one semester.
   (*b*) Conferences with supervisors, 1 hour per week for one semester.
   (*c*) Personal conferences with supervisors, on call.
   (*d*) Conferences with the principals of the senior and junior high schools or with the director of teacher training, one hour a week.

1. Note.—Students should elect their practice teaching in their major subjects.
2. Note.—Special methods subjects may be pursued as a part of the major requirement offerings, but special methods subjects are not required as prerequisites for teaching.

NOTE.—For a full description of the teacher-training system, including the curriculums of the Junior and Senior Divisions of the Roosevelt High School, see pages 128 to 131.

Principals of Training Schools.

ACHSAH MAE HARRIS, Primary and Kindergarten.
JENNIE WILLIAMS, Intermediate.
ANNA MANLEY, Junior Division of the Roosevelt High School.
MAUDE E. MINROW, Senior Division of the Roosevelt High School.

Student teaching is carried on in the Elementary School, the Junior Division of the Roosevelt High School, and Senior Division of the Roosevelt High School of the Normal School. By special agreement with the board of education, student teaching is also done in the city schools of Emporia. Teaching is also carried on in certain rural centers.

The director of teacher training has general charge of all teaching except in certain rural centers, which is directed by the professor of rural education. The director of teacher training and the professor of rural education act in close coöperation.

ELEMENTARY SCHOOL. This school consists of three divisions, viz., Kindergarten, Primary Grades, including the first three grades, and the Intermediate Grades, including the fourth, fifth and sixth grades.

The Kindergarten is presided over by one head supervisor, one assistant supervisor, and a supervisor of music.

The work of the Primary Grades is conducted by one head supervisor, three or four assistant supervisors, a supervisor of music, and a physical training supervisor.

The work of the Intermediate Grades is directed by a principal, three or four supervisors, a supervisor of music, a supervisor of industrial arts, a supervisor of physical training.

The work of the Intermediate Grades is departmentalized, although the principal and each of three or four supervisors frequently have charge of two or more subjects in the same or in different grades. The principal and supervisors are known as room-charge supervisors, having the direction of the management and discipline of the intermediate grades and of the instruction in English, geography, history, arithmetic, civics and elementary science.

JUNIOR DIVISION OF THE ROOSEVELT HIGH SCHOOL. This division consists of seventh, eighth, and ninth grades. It has a principal who is also

supervisor of mathematics. The principal, together with the supervisors of history and civics, elementary and general science and English, have general charge of the management and discipline. In addition to the special supervisors named for the Intermediate Grades (*i. e.*, supervisors who are not room-charge supervisors), there are supervisors of foreign languages (at present French and Latin), manual training, household arts, agriculture, drawing, commerce, and orchestra.

Senior Division of the Roosevelt High School. This division consists of the tenth, eleventh and twelfth grades, and is presided over by a principal and a full corps of teachers and supervisors.

City Schools. The director of teacher training, coöperating with the city superintendent of schools, chooses the teachers, who supervise the student teaching and have general charge of the work. The director of teacher training may send any of the principals or supervisors of the training schools to the city schools to assist him in directing the work of student teaching. Students without teaching experience do part of their teaching in the city schools, to learn the regular routine procedures, which are not provided in the Training Schools. The Training Schools, especially the Elementary School and the Junior Division of the Roosevelt High School, are becoming semiexperimental, and are better adapted to the needs of student teachers who have had some teaching experience. The student teachers in the city schools are known as "teaching apprentices."

Rural School Centers. Agreements are made with boards of education of certain neighboring rural schools and small town schools to furnish teaching facilities for students who are preparing to teach in small towns and rural schools. This work is directed by the professor of rural education, coöperating with the director of teacher training. The general plan of this work is to select a small town as a rural school center. A supervisor has charge of all student teaching in the town and in the rural schools included in the group. The professor of rural education makes frequent trips to this group of schools to direct the work of student teaching. The present arrangement requires that each student devote her undivided attention and effort for one month to this work, for which she receives four hours of the six hours credit in teaching required for the life certificate. The other two hours are taken afterwards in the Training Schools.

Kellogg Library, especially in its Children's Room and Roosevelt Highschool departments, coöperates with the supervisors and student teachers of the Training Schools in library research and guidance in reading.

The Bureau of Educational Standards and Measurements works in close coöperation with the supervisors of the Training Schools in testing the results of instruction and in initiating new tests.

CURRICULUMS OF THE JUNIOR AND SENIOR DIVISIONS OF THE ROOSEVELT HIGH SCHOOL.

THE RELATION OF THE JUNIOR TO THE SENIOR DIVISION OF THE ROOSEVELT HIGH SCHOOL.

The administration of the curriculums of this school are based upon the following general principles: (1) The need for common knowledge and training which all individuals of a political and industrial democracy must have in order to live together as free and responsible citizens. (2) The need of differentiated knowledge and training for the vocations and professions which various groups of workers must have to be socially efficient in an industrial democracy. (3) The need for a variety of activities and studies which will develop and satisfy the individual avocational bents of boys and girls—their play-life and cultural capacities.

These divisions are small, having a combined enrollment of about two hundred pupils. Pupils entering the Senior Division, either from the Junior Division or from other schools, are quite generally looking forward to higher institutional training for teaching.

CONSTANTS. The curriculum of the Junior Division provides a corps of constants as follows: (1) Major group, including English, United States history, physical training (including personal hygiene); (2) Minor group, including mathematics, elementary and general science, geography, and household arts for girls.

The subjects of the major group are required for their citizenship, vernacular, physical development, and health values. Beginning with the Senior Division, the minor group is differentiated into special elective groups, while the subjects of the major group constitute the constants in the Senior Division.

GUIDANCE ELECTIVES. A few electives are offered the first and second years and a much larger number in the third year in the Junior Division. Girls of the first and second years are required to elect one subject, or they may elect two; and the boys are required to elect two subjects, or they may elect three.

GUIDANCE WORK. A system of pupil guidance becomes very important. It is conducted as follows: The principal, beginning about one month before the close of each semester, calls each pupil into conference regarding his work for the following semester. New pupils, of course, entering school for the first time cannot be called into conference until the beginning of the term. Similarly, the principal then seeks a conference with the parents of each pupil. As a result of these principal-pupil-parent conferences, the pupils' elections for the following terms are made. There is no effort made to influence pupils to carry any one elective subject, except foreign languages, more than one semester, although he may do so. Pupils should carry a foreign language at least one year before changing to other lines of study. The pupils are trying to find themselves, and an opportunity of trying themselves out in the various subjects is essential.

CURRICULUM OF THE JUNIOR DIVISION OF THE ROOSEVELT HIGH SCHOOL.

ELECTIVES.	CONSTANTS.	ELECTIVES.
Manual Training. Designing.	United States History. English. Arithmetic. Geography. Physical Training and Personal Hygiene. Home Economics (for girls).	French. Latin-English. Vocal Music. Instrumental Music.
Manual Training. Designing.	United States History. English. Arithmetic. Elementary Science and Social Hygiene. Physical Training and Personal Hygiene. Home Economics (for girls).	French. Latin-English. Vocal Music. Instrumental Music.
Manual Training. Designing. Orchestra Music.	Community Civics. English. Arithmetic. Elementary Science and Social Hygiene. Physical Training and Personal Hygiene. Home Economics (for girls).	French. Latin-English. Vocal Music. Instrumental Music.
Manual Training. Designing. Orchestra Music.	State and National Civics. English. Mathematics. Elementary Science and Social Hygiene. Physical Training and Personal Hygiene. Home Economics (for girls).	French. Latin-English. Vocal Music. Instrumental Music.
Agriculture I. Farm Crops. Bookkeeping or Arithmetic. Manual Training I. Home Economics I. Orchestra Music.	General Science I. English I. Physical Training and Personal Hygiene.	French I. Latin I. Vocal Music I. Instrumental Music. Algebra I. Anc. and Med. Hist. I. Free-hand Drawing I.
Agriculture II. Farm Animals. Manual Training II. Home Economics II. Orchestra Music.	General Science II. English II. Physical Training and Personal Hygiene.	French II. Latin II. Vocal Music II. Instrumental Music. Algebra II. Anc. and Med. Hist.II. Free-hand Drawing II.

The term "Social Hygiene" as used above does not include "Personal Hygiene," which is taught in connection with Physical Training.

CURRICULUM OF THE SENIOR DIVISION OF THE ROOSEVELT HIGH SCHOOL.

(Tenth, Eleventh, and Twelfth Grades.)

Students graduating from the Senior Division must have earned twelve units in the tenth, eleventh and twelfth grades, with subjects distributed according to the following outline. Students entering the Senior Division must present four units (see Junior Division Curriculum for 9B and 9A grades). A unit is defined as the completion of a subject, the class meeting five periods per week for two semesters or one scholastic year. Laboratory subjects require double periods.

CONSTANTS. All students are required to complete all subjects listed as "constants." The direct values of these subjects are realized in the common knowledge and training which individuals of a democracy must have in order to live together as free and responsible citizens. The "con-

stants" deal with the problems of citizenship, the means of communication through the vernacular and with the problems of health and physical development.

History and Civics.	*Units.*
Contemporary World History, S. 1-2	1
American History from 1789, S. 3-4	1
Civics (Problems of American Democracy), S. 5-6	1

English.	*Units.*
Constructive English, S. 1-2	1
Literature, S. 3-4	1

Physical Training and Personal Hygiene.

Physical Training, including Personal Hygiene, taken throughout the three years, S. 1-6.

ELECTIVE GROUPS. The elective groups are designed primarily to prepare for entering normal school, university or college training for teaching, but also to prepare for entering university training for other professions, as well as for vocations requiring less than college or university training. As far as possible, each student should determine the special field in teaching for which he wishes to prepare in normal school, university or college, and then, in consultation with his adviser, Miss Minrow, elect the group of subjects which will fit him best for that work; or if he wishes to prepare for some other profession or vocation, he should choose the group which will give him the best training for his future work in it.

Each student, on entering the Senior Division, is required to elect one of the following groups of subjects, from which he is to complete before graduation no fewer than four units, nor more than five. Work in the same department done in the ninth grade of the Junior Division will count as credit in his elective group, or in the ninth grade of any other accredited high school. The student should complete at least two units in the first two years of the Senior Division and two or three units during the last year.

A student preparing to enter college may substitute one unit of science and one unit of mathematics for two units of the four or five units required in his elective group. This will allow him to take three units of free electives.

S—Senior Division. J—Junior Division. The numbers indicate the numerical order of the semester when the subject should be taken.

Commerce.	*Units.*
Bookkeeping	½
Stenography	1
Typewriting	1
Penmanship	1
Commercial Law	½
Commercial Arithmetic	½
Commercial Geography	½
Algebra	1

Agriculture.	*Units.*
Farm Crops, J 5	½
Farm Animals, J 6	½
Horticulture, S 1	½
Poultry and Dairying, S 2	½
Farm Practice, S 3	½
Botany, S 1-2	1
Physics, S 5-6	1
Chemistry, S 3-4	1
Civic Biology	½

Mathematics.	*Units.*
Algebra	1½
Geometry	1½
Advanced Arithmetic	½
High School Arithmetic	½
Trigonometry	½
Physics	1

Science.	*Units.*
Physics, S 5-6	1
Chemistry, S 3-4	1
Botany, S 1-2	1
Physiology, S 3	½
Civic Biology, S 3-4	1
Agriculture, J 5-6	1
Home Economics	1

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Manual Training.	*Units.*
Mechanical Drawing, S	1
Woodworking, S 1-2	1
Joinery, S 3	½
Cabineting, 3-4	½
Woodturning, S 5	1
Industrial Arts (Drawing), S 3	½
Printing	1

Art and Music.	*Units.*
Drawing	1
Industrial Arts	½
Elementary Sight Singing	½
Intermediate Sight Singing	½
Music Appreciation	1
Advanced Sight Singing	½

Professional.	*Units.*
Psychology	½
Methods	1½
Geography	1½
Physiology	½
Bookkeeping or Arithmetic	½
Physics or Chemistry	1
Algebra or Geometry	1

Home Economics.	*Units.*
Household Management	½
Household Arts	½
Home Problems	½
Free-hand and Constructive Drawing,	1
Chemistry	1
Physics	1

One period a week in all English classes is devoted to oral expression.

Foreign Languages.	*Units.*
Latin I and II*	1
Cæsar I and II	1
Cicero I and II	1
Virgil I and II	1

Modern Language.	*Units.*
French I and II†	1
French III and IV	1
French V and VI	1
Spanish I and II	1
Spanish III and IV	1

FREE ELECTIVES. The student should elect at least from one-half to one unit of studies each year for no other reason than because he desires to find out whether he likes them, or because he desires to secure a certain breadth of outlook upon life which he thinks the subject will give him. He should try to enjoy such subjects as much as possible, not because they are to prepare him directly for a vocation or a profession, but because he appreciates their thoughts, enjoys their beauty, or his own activities in pursuing them. He should study them with a playful, yet thoughtful, attitude of mind.

If the student expects to enter a higher institution of learning he should elect such other subjects as may be required for entrance, which are not included among the constants or in his elective group. The college entrance requirements are: English, 3 units; history, 1 unit; algebra, 1 unit; geometry, 1 unit; science, 1 unit; physical science, 1 unit. These requirements are all accounted for in the list of constants of the Senior High School and of the ninth grade of the Junior High School, except the two units in mathematics. Two of the elective groups require the two units of mathematics.

Each student is required to elect three units from any of the above elective groups outside his own elective group, or from the following list of additional free elective subjects:

ADDITIONAL FREE ELECTIVE SUBJECTS.

	Unit.		*Unit.*
Elementary Sight Singing, S. 2	½	Political Geography, S. 4	½
Intermediate Sight Singing S 2	½	Physiography, S. 6	½
Free-hand Drawing, J. 5-6	1	Psychology, S. 6	½
Girls' Chorus, S. (any time)	½	School Administration, S. 6	½
Men's Chorus, S. (any time)	½	Ancient and Medieval History, J. 5-6,	1
Instrumental Music, S. (any time; private)	½	Rural-school Music	½
Music Appreciation for Beginners	½	Printing	½ or 1

* If students have completed seventh- and eighth-grade Latin in the Junior Division of the Roosevelt High School, they do not need to take Latin I and II.

† If students have completed seventh- and eighth-grade French in the Junior Division of the Roosevelt High School, they need not take French I and II.

THE CERTIFICATION FUNCTION OF THE SENIOR DIVISION OF THE ROOSEVELT HIGH SCHOOL.

ONE-YEAR STATE CERTIFICATE.

Since a few students in the Senior Division prepare to teach between the period of their high-school work and their college work, provision is made to grant such students a one-year state certificate. Students desiring, when graduating, the one-year certificate, must submit credit as follows:

English, 3 units.
Algebra, 1 unit.
Plane Geometry, 1 unit.
Bookkeeping or Arithmetic, ½ unit.
Botany or Agriculture, 1 unit.
Physics or Chemistry, 1 unit.
Physiology, ½ unit.
Geography, ½ unit.
History, 1 unit.
Civics, ½ unit.
Psychology, ½ unit.
Methods and Management, ½ unit.
Physical Training, ½ unit.
Elective selected with the approval of the principal, 4½ units.

The one-year state certificate is not renewable and carries with it privileges of teaching in the rural school only.

PREPARATION FOR SECOND- AND FIRST-GRADE CERTIFICATES.

Candidates for second-grade county certificates must have three units of high-school credit; candidates for first-grade county certificates must have seven units of high-school credit. The subjects in which these credits may be made follow:

English Literature and Composition, 2 units.
Algebra, 1 unit.
Plane Geometry, 1 unit.
Ancient and Medieval History, 1 unit.
Modern History, 1 unit.
Botany, 1 unit.
Physics, 1 unit.
Agriculture, 1 unit.
Latin, 1 unit.
Physical Geography, ½ unit.
Commercial Geography, ½ unit.
Bookkeeping, ½ unit.
Civil Government, ½ unit.
Music, ½ unit.
Drawing, ½ unit.

THE SENIOR DIVISION OF THE ROOSEVELT HIGH SCHOOL.

SOCIAL ORGANIZATIONS.

R. S. AND C. S. CLUBS. The R. S. Club for girls and the C. S. Club for boys are the two distinctly social organizations for Roosevelt High School. The clubs were organized for the purpose of developing social leadership by means of a practical study of social forms and of methods of entertainment. The clubs hold regular weekly meetings and occasional joint meetings in the form of parties of various types. These two organizations are the center of much of the social life of the school.

THE QUIVIRA SOCIETY. The Quivira Society was organized in December, 1918, as the result of a long-felt need for an organization which includes both literary and social activities. The word Quivira is the Indian name for Kansas. In harmony with the idea suggested by the name, the sunflower was chosen for the society flower and green and gold for the society colors. The literary activities consist of plays, dialogues, readings, story-telling, illustrated talks, music, and æsthetic dancing. The social activities consist of games at the regular meetings, and of occasional parties given by the society. Through these literary

and social activities, the society aims to develop the originality and initiative of the students of Roosevelt High School.

Normal Masques. The Normal Masques is the dramatic club of the Roosevelt High School. The membership consists of those who are especially interested in amateur dramatics. Under the direction of an instructor in the college Department of Expression, the club presents one long play and several short plays each year. The training received in this organization is very valuable to those who are ambitious to become members of the Dramatic Club of the college department.

Y. W. C. A. The high-school Y. W. C. A. has been organized to meet the needs of the high-school girls. The work of the organization is carried on under the direction of the general Y. W. C. A. secretary and of a cabinet chosen from the membership. Once each week, in the attractive high-school Y. W. C. A. rest room, the girls are given definite training in conducting meetings, and in planning for lives of service in connection with their fellow-students, and in connection with the communities to which they will later go as teachers.

Glee Clubs. Roosevelt High School supports two glee clubs, one for the girls and one for the boys. The clubs are under the supervision of the instructors of the Music Department. These organizations afford excellent training for students interested for the regular chapel exercises, and for special programs.

Orchestra. The Roosevelt High School orchestra is rapidly becoming an important feature of the high-school life. One purpose of this organization is to train recruits for the larger orchestra of the college department. The leader of the college orchestra is also leader of the high-school orchestra. The orchestra plays at both the high school and college chapel exercises and at various social functions of the school.

Athletic Teams. Each year the Roosevelt High School enthusiastically supports a football team, a girls' basket-ball team, a boys' basket-ball team, a girls' baseball team and a boys' baseball team. These teams are coached by experienced physical training instructors of the Normal School. All necessary equipment is provided by the school. The teams win many honors for Roosevelt High School.

Agriculture.

Supervising Teacher, Professor Phipps.

Farm Crops. One-half unit credit. Ninth grade, summer term, and first semester. The course in Farm Crops opens the subject of economic production on the farm. The differences between agriculture and sciences are made clear. The content of the course covers field crops, seeds, seed judging and germination, soils, crop rotation, harvesting and marketing of crop products, etc. Laboratory and field work take up about one-third of the time. Laboratory work chiefly consists in practicums, such as seed selection and germination tests. Farm boys are assigned home projects in seed selection and improvement combined with production for following season.

Farm Animals. One-half unit credit. Ninth grade, summer term, and second semester. A study of animals useful to man, and their

economic production on the farm. The course includes a study of breeds of horses, cattle, swine, sheep and poultry; their care and management; feeding; marketing, etc. Trips are made to neighboring barns for study of live stock, and some judging work is done by the class. Laboratory work consists in study of animals; barns and equipment; marketing at stock yards, etc. The large sheep-feeding pens are studied also. Farm boys and girls are assigned projects in some phase of animal production on the home farm.

FARM PRACTICE. One-half unit credit. Senior high school, first semester. A course in general farm practice, designed especially for farm boys, but open to girls, also. The work is largely laboratory practice, but special classroom study is made along the lines of dairying, dairy equipment, buildings and farm equipment, soils and soil improvement, machinery, and farm improvements. Farms, local implement stores, and farm machinery are studied during laboratory periods. Projects in home improvement are assigned to farm boys and girls.

FARM HORTICULTURE AND GARDENING. One-half unit credit. Senior high school, second semester. A valuable and practical course in orcharding and gardening for the high-school boy and girl who desire to know more about these phases of farm production. The course consists in a study of orcharding; setting out and caring for orchards; insect and disease enemies and their control; harvesting and marketing of orchard crops. A similar study is made of important garden crops. Many practicums are assigned in this course. Orchard trees are pruned and sprayed, gardens are made and cared for, and home projects in orcharding or gardening are assigned to all members of the class.

Art.

Supervising Teacher, Miss MORRISON.

There are three courses offered in art education in the High School. Free-hand Drawing I is the only prerequisite for either of the other courses. Free-hand Drawing I, and Industrial Art, may be taken consecutively or simultaneously.

It is the aim of these courses to familiarize the student with fundamental art principles; to enable him to apply these principles to the various activities of school, home, business, and social life; to create a love for the beauties of nature; to develop his power of observation and to promote skill in drawing and all forms of construction work.

FREE-HAND DRAWING I. One-half unit credit. Summer term, and each semester. This is a course in representation and design, requiring five hours a week for one semester, with an additional hour daily for preparation and study. The Textbook of Art Education for High Schools forms the basis for the course. Stress is laid upon the study of perspective, proportions, composition and page planning. It consists of free-hand drawing in outline form models—forms of pottery, books, boxes, plants, trees, buildings, furniture, interiors, etc. The materials used are pencil, charcoal, colored crayons; white and tinted drawings of flowers, trees, animals, and the human figure in action are made with brush and India ink. The elements of bookbinding, a few lessons in lettering and simple problems in design applied to book covers and portfolios are included.

FREE-HAND DRAWING II. One-half unit credit. Summer term, and each semester. Prerequisite, Free-hand Drawing I. In this course emphasis is laid upon pictorial rather than decorative art. Pencil Sketching, by Geo. W. Koch, forms the basis of the lessons. Drawings from plants, trees, landscape, figures, and color in both flat and blended values. Stress

is laid upon the representation of objects in correct perspective and the rendering of textures. The latter part of the semester is devoted to advanced problems, including the making of scrapbooks, kodak books, magazine binding, cretone- and paper-covered boxes. Designs for book plates and wood blocks are also made.

INDUSTRIAL ART.—One-half unit credit. Summer term, and each semester. Prerequisite, Free-hand Drawing I. The primary object of this course is to develop an appreciation of design and color when applied to problems of everyday life; to cultivate good taste in home furnishing and wearing apparel; to exercise creative ability and to gain a knowledge of processes and materials used in the industries. It includes problems in reed and raffia weaving, such as baskets, fern boxes, trays, bird cages, lamps, etc.; permadelo modeling and decorating of hatpins, beads, incense burners, etc.; the construction and decoration of desk sets, parchment lamp shades, sanatos luncheon sets, etc.; enamlac applied to common objects in a decorative way; and a study of color harmonies applied to poster making.

Manual Art.

Supervising Teacher, Professor BRAUCHER.

ELEMENTARY MECHANICAL DRAWING. One-half unit credit. Summer term, and each semester. A course in the elements of mechanical drawing, including exercises in the use of instruments, geometric constructions, free-hand lettering, orthographic projection of simple solids at various single angles, and the application of orthographic projection in making working drawings, tracings and blue prints.

ADVANCED MECHANICAL DRAWING. One-half unit credit. A continuation of the above course, giving practice in orthographic projection of more complicated objects, and in double angles; surface developments, sections, isometric, and cabinet projections, shadows, and some application of the principles of practical drafting.

ELEMENTARY WOODWORK. One-half unit credit. Summer term, and each semester. A course in wood construction suited to the intermediate and lower grammar grades. Work with tools at the bench will be required. Simple models selected to illustrate and give practice in the use of the common woodworking tools will be made.

ADVANCED WOODWORK. One-half unit credit. A continuation of the above course, dealing with the models appropriate for the grammar grades. Work requiring greater skill in the use of tools will be selected, and students will be expected to plan and execute several original or adapted models, in addition to those in an assigned course.

JOINERY. One-half unit credit. Summer term, and each semester. A course beginning with a series of joint exercises illustrating the common point in wood construction and continuing into the application of some of these in appropriate models.

CABINETMAKING. One-half unit credit. A course in advanced woodworking, dealing with models requiring more accurate use of tools. Some attention will be given to the lines and decorations, with the methods of securing pleasing effects through wood combinations, inlaying and simple carvings.

WOOD TURNING. One-half unit credit. A beginning course in wood turning, with instructions on the care and uses of the lathe; practice in the sharpening of the usual turning tools—chisels, gouges, parting tools, etc. The students will be required to make a series of exercises between centers on the lathe, beginning with the cylinder, through progressive

modification, showing the characteristic uses of the tools; followed by the turning of several useful pieces for further practice in the uses of the lathe.

ADVANCED WOOD TURNING. One-half unit credit. A continuation of the above course, giving further study to the lathe and its uses, including problems in hollow turning, faceplate and chuck work, as illustrated in the making of rosettes, boxes, goblets, etc.

PRINTING I. One-half unit credit. Summer term, and each semester. In this course the rudiments of the art of printing are taught. Practice is given in setting type, reading and correcting proof, making up forms, and feeding a job press.

PRINTING II. One-half unit credit. Summer term, and each semester. This course is a continuation of course 2, and in addition some time is given to the study and practice of setting advertisements, posters, and fancy jobs.

Commerce.

Supervising Teachers, Professor PARKE, Miss SPENCER, Miss WILSON.

BOOKKEEPING I. One-half unit credit. Summer term, and each semester. The elementary principles of bookkeeping are studied, and applied in the use of the journal-daybook, cash book, sales book, and ledger. Thorough drill is given in the opening and closing of accounts and in making trial balances and statements. The course includes simple business practice.

BOOKKEEPING II. One-half unit credit. Each semester. Prerequisite, Bookkeeping I. The student handles a large number of business forms and uses school currency. Special attention is given to the classification of accounts and to making business and financial statements.

BOOKKEEPING III. One-half unit credit. Prerequisite, Bookkeeping II. This course includes the accounts of a large business in which subsidiary ledgers, special-column books, and very comprehensive forms of business and financial statements are used.

PENMANSHIP I. One-half unit credit. Summer term, and each semester. No prerequisite. Study of correct position. Muscular movement is used and drills given for the mastery of movement. Development and analysis of both capitals and small letters and of figures. The aim is to develop a rapid and legible handwriting.

COMMERCIAL LAW. One-half unit credit. Each semester. It is the aim of this course to present clearly the more important points of business law that are likely to arise in everyday affairs. The leading principles of contract law, illustrated by references to court decisions, are studied, and their application to practical matters is shown. Open to seniors.

TYPEWRITING I. One-half unit credit. Each semester. Beginning with a mastery of the keyboard by the touch method, the student is given a series of progressive exercises in writing words, sentences, and business letters, leading to the acquisition of practical speed and accuracy in writing ordinary business and literary matter.

TYPEWRITING II. One-half unit credit. Each semester. Prerequisite, Typewriting I. Continued drill is given to attain speed and accuracy. Business letters, common legal and business papers, and tabulating exercises are given. The student is trained to write smoothly and rapidly, and without error, any kind of miscellaneous matter or business documents.

STENOGRAPHY I. One-half unit credit. Summer term, and each semester. No prerequisite. Mastery of principles is the principal aim in this course. Careful attention is given to the correct formation of characters

and outlines, and constant drill given in reading and shorthand notes. Suitable dictation is given from the beginning.

STENOGRAPHY II. One-half unit credit. A continuation of course 1. A gradual increase of speed is sought, but is made subordinate at all times to legibility of notes. Shortening principles, phrasing, and transcriptions are taken up in a series of progressive exercises.

STENOGRAPHY III. One-half unit credit. A continuation of course 2. This course includes advanced speed practice, with drills in rapid and transcription of notes.

STENOGRAPHY IV. One-half unit credit. Continuation of course 3. Designed to give the student skill to take rapid dictation and transcribe with accuracy and correctness.

English.

Supervising Teachers, Miss ASKEW, Professor GILSON, Miss CONRAD.

Six semesters of English are required. They must be taken in the order in which they are numbered except that the student may elect between 5 and 6. With the approval of the head of the department, one of these courses may precede 4.

Each course stands distinctively as a composition course or as a literature course, yet the two phases of English work are not entirely divorced. Some literature is used in the constructive courses, and both oral and written reports are required in all courses in literature. A great deal of attention is paid to oral composition, primarily for its own sake rather than because of its important relation at times to the written work required.

Literature is studied rather than a textbook about literature. The history and biography are made merely incidental, being used only as a background. The library furnishes an abundant supply of histories of literature, and the students are referred to them for any desired information of that nature. In place of studying by the chronological or period plan, or by making artificial distinctions between American and English literature, the students study types of literature. In each case they are introduced first, in so far as it is possible, to the best efforts of the present-day writers, and later to the classics of earlier times. The underlying idea is to arouse in the student an appreciation of good literature and a real liking for it, rather than to make the courses dominantly informational.

ORAL ENGLISH. Oral English in the High School is taught one day each week in every class in English. On that day the work is turned over to the Department of Public Speaking and Expression. The fundamentals of both interpretative and extemporaneous speaking are taught. The chief purpose of the course is to give the pupil ability to express his thought to others, to enable him to hold the attention of an audience and to develop his individuality.

1.—COMPOSITION AND GRAMMAR. One-half unit credit. Summer term, and each semester. To make the study of English grammar practical and profitable is the aim of this course. Stress is laid on principles that affect speech and writing, and themes are assigned that require immediate use of these principles. Students are induced to use their

reasoning faculties instead of their memories. A study is made of their own language rather than the language of the classics. Methods and suggestions for the presentation of the subject to beginners are frequently made. Some good prose is required to be read during the course.

2.—NARRATION AND DESCRIPTION. One-half unit credit. Each semester. Prerequisite, course 1. This course corresponds roughly to the second year's work in composition as outlined in the state course of study. The rhetorical structure of the sentence and economy and accuracy in the use of words receive special attention. The subjects for composition are largely narrative and descriptive, and the principles of this composition are derived from the study of fiction.

3.—NARRATIVE PROSE AND POETRY. One-half unit credit. Summer term, and each semester. Prerequisites, course 1 and 2. This course follows as closely as seems practicable the first year's work in literature in the state course of study. The simpler narratives are selected from the representative poets and prose writers of England and America. Only so much of technic is taken up as will increase the appreciation and enjoyment of the reading. An effort is made to develop the critical powers of the student and to sharpen his discernment of what is good. Reports, both oral and written, are made by the student on extensive outside reading.

4.—EXPOSITION. One-half unit credit. Each semester. Prerequisites, courses 1, 2, and 3. The work done in this course is quite similar to that outlined for the composition work in course A for the fourth year's English work in the state course of study. Emphasis is placed largely upon oral and written explanations of things which the individual pupil is using in his life outside the English classroom or which appeal most strongly to his interest. Proper organization of material is made the dominant element in the course. This is stressed in the thoroughgoing work on paragraph development and the study of the entire theme. There is careful consideration of the gathering of material, the making of logical outlines, and the writing or speaking from these outlines. Well-edited magazines and newspapers are used almost entirely as models in the study of applying the principles of rhetoric to composition.

5.—NOVEL AND ESSAY. One-half unit credit. Each semester. Prerequisites, courses 1, 2, and 3. This course covers the work outlined in literature for the second year in the state course of study, but is somewhat broader in its scope. Special emphasis is placed in this course on modern essayists and novelists, the aim being to train the student to discriminate intelligently in his present-day reading, and appreciate and enjoy real literature. The great works of authors of the past, however, are also studied.

6.—DRAMA AND POETRY. One-half unit credit. Summer term, and each semester. Prerequisites, courses 1, 2, and 3. This course is practically the same as that outlined for the third year's work in literature in the state course of study. Three or four plays are carefully studied in class, and others are assigned for outside reading. The plays are approached as much as possible from the viewpoint of presentation. The general artistic and moral effect sought by the dramatist is emphasized, and textual criticism is reduced to a minimum. Pleasure and satisfaction from reading the plays is sought rather than scholastic information in regard to structure and sources. An effort is also made in this course to develop some appreciation of the lyric. The whole field of poetry in English and American literature may be drawn on for material, but the principal stress is placed on poems that deal with conditions and emotions familiar to the student, hence with modern poems.

7.—ARGUMENTATION. One-half unit credit. Summer term, and each semester. Prerequisites, courses 1, 2, and 3, and two semesters of litera-

ture. As Argumentation is made the final course in English, it serves as a review of constructive work as well as a study of argument. Considerable emphasis is placed upon practical phases of writing, such as business and social correspondence. Various forms of written argument are considered, but most stress is laid upon oral types, informal discussions as well as formal debates on subjects of current and school interest being used. Well-edited magazines are made a basis for some of this work.

8.—Periodical Literature. One-half unit credit. This course in Periodical Literature, a senior elective, includes: (1) a study of newspapers, rural and metropolitan; a glimpse at news forms and the make-up of the newspaper, with a view to developing more intelligent readers; group and individual reports upon representative newspapers and journalists; (2) a study of the magazine, as to variety of types, make-up, class of readers, and literary and commercial significance, with all types of magazine for illustrative material; (3) a study of advertising, from the pictorial, commercial, and vocational standpoints; (4) a series of vocational talks by town men, which shall open some typical currents of modern American life to the senior before his plunge into the maelstrom.

Geography.

Supervising Teacher, Miss Atwood.

Physiography. One-half unit credit. On demand. A study of land forms and of the atmosphere, of the agencies that have affected the earth's features, or that are now changing them. Attention is always given to geographic influences upon life and upon history. The laboratory work consists of the study of topographic maps, visits to the museum, and field trips.

Political Geography. One-half unit credit. Second semester. This course is a study of the most important countries of the world. Emphasis is laid on the physical basis for the development of the agriculture of any nation, and a knowledge of natural resources as a basis for industrial development. Many special references are given.

Commercial Geography. One-half unit credit. Summer term, and first semester. A study of the world's chief commercial commodities and the factors influencing their production, distribution and development. Text, Brigham's Commercial Geography.

History and Civics.

Supervising Teacher, Miss Minrow.

HISTORY.

Ancient and Medieval History I. One-half unit credit. This course deals with the early struggles of man toward civilization; the development of the early political institutions and their influence upon later civilization. The more intensive work of the period is devoted to the history of Greece and Rome and a study of their problems and their influence upon world history.

Ancient and Medieval History II. One-half unit credit. The work in this course begins with the German invasion and extends to 1600. A very careful study will be made of medieval institutions; the growth and development of the nations formed from the disorganized Roman Empire; the Protestant Revolt; the intellectual awakening and the beginnings of the struggle of the people for political rights. Special emphasis will be placed upon the study of the social, economic and political problems of England and France.

CONTEMPORARY WORLD HISTORY. The purpose of this course is to acquaint the students with world problems and the interpretation of these problems by the nations of the world; to study the problems of organization, development and progress of the social, economic and political life of the people.

CONTEMPORARY WORLD HISTORY I. One-half unit credit. A brief study will be made of the reorganization of the Roman Empire into the separate political bodies, including great movements and institutions, namely, feudal system, crusades, medieval church, towns, schools. Special emphasis will be laid upon the period of exploration. The intensive work of the course will begin with the colonization period about 1600, and extend to 1871. An effort will be made to make this course a study of world history.

CONTEMPORARY WORLD HISTORY II. One-half unit credit. This course will deal with the social, economic and political development of the people of Europe, Asia and America from 1871 to the present time. It will include colonial expansion and policies of the nations during the latter part of the nineteenth and the beginning of the twentieth centuries; the eastern problems; causes of the Great War and the problems of reconstruction. Particular attention will be given to current topics.

AMERICAN HISTORY. Since it is essential for every American citizen to be familiar with the history of the growth and development of the institutions of his country and the social and economic life of the people, this course is offered that the students of the high school may have the opportunity of studying the history of the institutions and the people of America.

AMERICAN HISTORY I. One-half unit credit. This course begins with 1789 and entends to 1865. The exploration and colonial periods are dealt with in the course in Contemporary History. Special attention will be given to the problems of the organization of the government under the Federal constitution; foreign relations; the growth of the West; the Federal government versus state government; the social, economic, political problems of the North, South, East and West; the Civil War.

AMERICAN HISTORY II. One-half unit credit. From 1865 to the present time. A careful study will be made of the political, social and economic problems of the reconstruction period; problems of big business interests, progressiveness of the West; United States entry into world problems after the Spanish-American War; the Great War and its problems of reconstruction. A comparative study of Canada and other American countries with the United States will be made. Special emphasis will be placed upon current events and present-day problems.

CIVICS.

CIVICS (THE PROBLEMS OF AMERICAN DEMOCRACY). This is the culminating course of social study in the last year of the Senior Training High School. Its purpose is to give, without bias or prejudice, a more definite and comprehensive knowledge of the important industrial, social and political problems of American democracy. A serious attempt will be made to develop the citizenship bearings of all problems studied.

CIVICS I. One-half unit credit. This course will include the study of several concrete examples, illustrating the principles of production, consumption, exchange, distribution, public finance, conservation of natural resources; problems of labor and industry, including labor unions, the organization of capital, industries and transportation, and the government regulation of the same. Some attention will be given to the study of general and vocational systems of education.

Home Economics.

Supervising Teachers, Miss STIEBELING, Miss GEORGE.

1.—HOME COOKERY AND TABLE SERVICE. One-half unit credit. This course deals with the selection, care and preparation of food as influenced by an understanding of the needs of the body for health and by a study of division of income. Practice is afforded in planning, preparing and serving meals in the home economics apartment house. A study is made of the care and equipment of the dining room and kitchen.

2.—CLOTHING PROBLEMS OF THE HIGH-SCHOOL GIRL. One-half unit credit. This course includes a study of the selection, construction and care of garments appropriate to the high-school girl from the standpoints of utility, health and beauty as influenced by a study of the budget. Hand and machine sewing, free-hand drafting and adaptation of commercial patterns are practiced.

3.—THE HOME—ITS SELECTION, FURNISHING, CARE AND MANAGEMENT. One-half unit credit. This course aims to apply principles of art, science, economics and sociology to the affairs of the household. Such home problems as the budget, labor-saving devices, equipment, system in management are included.

Latin.

Supervising Teachers, Professor HOLTZ, Miss DEATHERAGE.

The study of Latin gives the student a view of human life in a civilization as complex though different from our own. Toward Rome all previous history converged, and from Rome all subsequent history has radiated. Latin was the language of this nation which had gleaned the best of all that had gone before. The genius and energy of her people are reflected in their language. Its sentences are bundles of directness, terseness and force. It is the purpose of the High-school Latin classes to study the language of this mighty people for its fundamental lessons in the speech, thought and citizenship of our own state and nation. The thought words of the English language are derived directly and indirectly from Latin. Aside from the study of our mother tongue, no other subject in the curriculum can be so important to the work of every department as Latin.

THE LATIN ELEMENT IN THE ENGLISH LANGUAGE. One-half unit credit. Prerequisite, one unit of Latin. An examination of the preamble of the constitution of the United States or any standard prose shows that its thought words are chiefly derived from Latin. This course has been planned to assist the high-school student in recognizing the meaning of words at sight from their form and analysis. The general vocabulary of the curriculum and current reading will be considered, an intelligent use of the dictionary will be taught, and every effort made to enrich the student's knowledge and use of English words. It is a practical study of vocabulary.

BEGINNING LATIN I. One-half unit credit. Each semester. This course completes one-half the text, with attention to declensions, conjunctions of the indicative mode, comparisons, etc. Stories from mythology and legendary Roman history are introduced early. The subject is correlated with English grammar, and thereby the student is made more familiar with his mother tongue. Open to students without previous knowledge of Latin. Text: Smith's Latin Lessons.

BEGINNING LATIN II. One-half unit credit. Second semester. Last half of the Smith text completed. Special attention is given to the subjunctive and the reviews. The course concludes with some of the easier selections from Cæsar's Gallic War or similar material. Open to those who have had Latin I and to those who desire a review.

CÆSAR I. One-half unit credit. Each semester. Prerequisite, one unit of Latin. A study of Books I and II. The World War had for its western campaign practically the same theater as that of the first three campaigns of Cæsar in Gaul. In this respect the two wars are kept constantly correlated. The masterful generalship of Cæsar affords great interest. The student learns that the Teutonic ambition for territory westward is by no means recent. This course affords a basis for extended translation, with stress laid on case usage. Texts: Walker's Cæsar, Bennett's Grammar, Baker and Inglis's Composition, part I. Fabulæ Faciles used as introductory to the course.

CÆSAR II. One-half unit credit. Summer term, and second semester. Books III and IV of the Gallic War. Prose composition continued from Cæsar I. The principles of Latin syntax are more firmly grounded, especial attention being given to the modes. Cæsar's Gallic campaigns and the initiatory campaign in Britain mark the advent of the Roman element into French and English civilization. Texts: Same as for Cæsar I.

CICERO I. One-half unit credit. First semester. Prerequisite, two units of Latin. The four orations against Catiline. Ciceronian eloquence and its influence on modern oratory. The conspiracy of Catiline with reference to Roman social and political life, and comparisons with modern social conditions. Careful study of syntax, with especial attention to conditional sentences, analysis of each oration, and prose based on the text. Texts: D'Ooge's Cicero, Bennett's Grammar, Baker and Inglis's Composition.

CICERO II. One-half unit credit. Second semester. Orations for Pompey, Archias and Marcellus. An investigation of Roman political institutions and advanced study of syntax. Prose composition continued. Text: Same as for Cicero I.

VIRGIL I. One-half unit credit. Summer term, and first semester. Prerequisites, three units of Latin. The translation of Books I to III of the Æneid. The beauty of ancient literature, the rhythmic movement of the hexameter and the poetic nature of Roman life reach their highest form in this great epic. Some study of scansion and mythology; short papers and reports on related topics, correlation with English literature. Text: Knapp.

VIRGIL II. One-half unit credit. Second semester. Translation of Books IV to VI, inclusive. Supplementary mythology. The author's place in literature. The Æneid as a whole. Papers and reports.

Mathematics.

Supervising Teachers, ———.

HIGH-SCHOOL ARITHMETIC. One-half unit credit. Summer term, and each semester. Drill in the fundamentals with integers and fractions, common factors and multiples, and square root. Denominate numbers, including the metric system. The fundamentals of mensuration; *i. e.*, area of square, rectangle, parallelogram, triangle, trapezoid, and circle; volume of rectangular solid, pyramid, prism, cylinder, cone and sphere. Pythagorean proposition and its applications. Problems in analysis and simple proportion, and its general applications to concrete problems. Percentage and its general applications. Business application of percentage,

interest, commercial discount, bank discount, commission, taxes, insurance, stocks and bonds, longitude and time.

ALGEBRA I. One-half unit credit. Summer term, and each semester. Prerequisite, course 1, or a good foundation in Arithmetic. The notion of general number developed through formulas: *e. g.* i = prt, d (distance) = rt. Positive and negative numbers, their sum and their difference. Exponents and their laws, the four fundamental operations and factoring. Linear equations in one variable. Applications.

ALGEBRA II. One-half unit credit. Summer term, and each semester. Prerequisite, course 2. Factoring, solution of equations by factoring; fractions and fractional equations. Systems of linear equations and graphs. Square root, surds and the simple facts of imaginary numbers necessary to the quadratic equations. Quadratic equations solved by the three methods, with applications. Ratio and proportion.

PLANE GEOMETRY I. One-half unit credit. Summer term, and each semester. Prerequisite, course 3. Triangles, parallel lines, quadrilaterals, polygons, loci and circles. Methods of attacking exercises.

PLANE GEOMETRY II. One-half unit credit. Summer term, and each semester. Prerequisite, course 4. Ratio and proportion, similar figures, areas, regular polygons and circles. Applications of geometry to practical problems.

SOLID GEOMETRY. One-half unit credit. Summer term, and second semester. Prerequisite, course 5. Elective in secondary school. For description see course 4 under Collegiate Mathematics.

ADVANCED ARITHMETIC. One-half unit credit. Summer term, and each semester. Prerequisites, one year each of algebra and geometry. For description see course under Collegiate Mathematics.

ALGEBRA III. One-half unit credit. Summer term, and each semester. Prerequisite, course 5. For description see course 3 under Collegiate Mathematics.

Modern Languages.

Supervising Teachers, Miss LAVERY, Miss ALTMAN.

Language study belongs to the high school rather than to the college, because it calls to a great extent for memory and imitation. The pupil will save time in the end by devoting as early a period of his school life as possible to language study, and by leaving the sciences to a relatively later period. The drill in accuracy, observation and analysis required in language work will be a strong aid in later work in science.

The study of foreign language has one or more of three main values: Disciplinary, cultural, and practical. To give a sentence correctly in a foreign language requires accuracy and rapidity of thought, close observation, and careful analysis of both foreign and native language, for each word must be correct in itself and have the proper place in relation to other words in the sentence.

FRENCH.

ELEMENTARY FRENCH I. One-half unit credit. First semester. Text: Rosenthal and Chankin's Grammaire de Conversation et de Lecture, twenty lessons, and Snow and Lebon's Easy French Reader, fifteen pages. The course includes special drill on correct pronunciation by means of phonetics, larger vocabulary developed by conversation from everyday

life, practice in memorizing and writing from dictation. Work done partly in French.

ELEMENTARY FRENCH II. One-half unit credit. Second semester. Prerequisite, Elementary French I or its equivalent. Rosenthal and Chankin's Grammaire de Conversation et de Lecture through lesson 40. Snow and Lebon's Easy French Reader completed. Further development of vocabulary by conversation and pictures. Drill in pronunciation, memorizing of poetry, dictation and free composition continued in this course. Work done largely in French.

SECOND-YEAR FRENCH I. One-half unit credit. Each semester. Prerequisite, one unit of high-school French. Rosenthal and Chankin's Grammaire de Conversation et de Lecture completed. Grammar reviewed and phonetic drill continued. Dictation and reproduction of simple French, composition and further memorizing of prose and poetry. Labiches "Le Voyage de M. Perrichon" and Halevy's "L'Abbe Constantin" read. Work done largely in French.

SECOND-YEAR FRENCH II. One-half unit credit. Each semester. Prerequisite, one and one-half units of high-school French. Dictation, letters, short compositions written upon topics discussed in class. History and geography of France, current events from French periodicals and newspapers. Labiches "La Poudre aux yenx," and Claretie "Pierrille" read. Work done entirely in French.

SPANISH.

ELEMENTARY SPANISH I. One-half unit credit. Each semester. Texts: Wilkin's First Spanish Book and selected supplementary readings. Training in oral methods to secure greater accuracy in the hearing and reproduction of sounds. Practice in memorization, reproduction and writing from dictation. Vocabulary enlarged by conversation upon topics of everyday life. Work done partly in Spanish.

ELEMENTARY SPANISH II. One-half unit credit. Second semester. Prerequisite, Elementary Spanish I or its equivalent. Texts: Wilkin's First Spanish Book completed and Hill's Spanish Tales for Beginners, fifty pages. Additional vocabulary building by means of conversation and pictures. Stress laid upon correct and fluent pronunciation. Memorization of prose and poetry; dictation and free composition. Work done partly in Spanish.

Music.

Supervising Teachers, Miss STROUSE, Miss SMITH.

ELEMENTARY SIGHT SINGING. One-half unit credit. Deals with the dements of vocal music, and through rote singing develops the ability to sing by syllable.

INTERMEDIATE SIGHT SINGING. One-half unit credit. This course should follow Elementary Sight Singing. It leads through two-part work to independent sight singing of soprano, alto or tenor parts.

RURAL-SCHOOL TEACHER'S MUSIC. One-half unit credit. A course for teachers in rural schools who wish to introduce music. It includes rote singing, simple sight singing, community music and suggestions for the use of the Victrola.

APPLIED MUSIC (PIANO, VIOLIN, VOICE). One-fourth unit credit. Private half-hour lessons for beginners and students of intermediate grade. Special rate to high-school students of fifty-seven cents per lesson. Individual instruction in band instrument at seventy-five cents per lesson. Three lessons per week carry one-fourth unit credit.

MUSIC APPRECIATION FOR BEGINNERS. One-half unit credit. A course in how to listen to music, designed for students who are not specializing in music, but desire to know and enjoy the standard vocal and instrumental compositions.

Orchestra.

Supervising Teacher, Mr. KEENAN.

Students in ninth grade and above receive one-half unit the year.

ADMISSION. Pupils must be able to play simple melodies in the easier keys. Previous orchestra experience not necessary. Violin parts used in the orchestra do not go beyond the first position, and cornet and clarinet parts are all in B flat. Orchestra meets three times weekly, on Monday, Wednesday and Friday, at 10 a. m.

OUTLINE OF WORK. For first semester, September to January, unison and scale work in most used keys. Study of the different bowings for string instruments and tongueing for wind instruments as they are used in orchestral playing. Study of simple marches, waltzes, overtures, etc.

Second semester, January to May. Continuation of preceding semester's work. Study of standard orchestra music simplified for high-school needs. Use of third and fifth position for violins. Such pieces as Humoresque (Dvorak), Tales from Hoffman (Offenbach), Medley of American and Foreign Airs, Lustpiel Overture, Kela-Bela and Light Cavalry Overtures (Suppe), etc., are studied during this term.

Members are taught how to direct small orchestras and are given opportunity to direct under the personal supervision of the head of violin department.

Problems of modern high-school orchestras are discussed, and students given lists of music suitable to the needs of the average high-school orchestra.

Students showing sufficient ability are admitted to the Emporia-Normal Symphony Orchestra of forty pieces, under the direction of Mr. Keenan.

Physical Training.

FOR BOYS.

GYMNASIUM COSTUME. The regulation costume is worn in all classes. It consists of a white sleeveless shirt, white track pants and white tennis shoes. The suit complete can be secured from local dealers at a cost of $2.50.

REQUIRED. Three hours a week for four semesters. The credit given will count as half a unit toward graduation and the one-year state certificate, but not for college entrance.

As the work in physical training varies with the season, the semester is divided into two terms of nine weeks each. Work must begin upon entering school, and the student is required to complete it during the first two years unless he is excused by the Director. As the midwinter is best for gymnastic work and the fall and spring for athletic sports, the student is advised to take his work in that order.

1.—ELEMENTARY GYMNASTICS. Marching tactics, free-hand and light apparatus exercises and gymnastic games. Special attention is given to the correction of faulty posture and carriage of the body.

2.—INTERMEDIATE GYMNASTICS. Body-building and corrective exercises, gymnastic dancing steps, heavy apparatus exercises, and elementary tumbling.

3.—ADVANCED GYMNASTICS. Offered the third and fourth terms to those prepared to take up athletics and folk dancing, individual and companion tumbling, and difficult exercises upon the heavy apparatus.

4.—FOOTBALL. Given during second ten weeks only, to men in good physical condition as shown by physical examination. The squad is divided into teams according to ability.

5.—SOCCER FOOTBALL. Given in season. Individual and team practice. Valuable both as a vigorous game demanding speed and endurance, and as a preparation for track athletics and basket ball.

6.—BASKET BALL. Classes are organized each semester of the year. The A. A. U. game is taught to elementary classes and the intercollegiate game to the first and second teams. An interesting series is played.

7.—BASEBALL. Given in season. Individual and team practice. The squad is divided into teams graded according to ability.

8.—TRACK AND FIELD ATHLETICS. Given in season only to men in good physical condition as shown by physical examination. Cross-country running is given in season.

9.—TENNIS. Given in season. Tournaments in both singles and doubles are held during first and fifth ten weeks.

10.—SWIMMING. Elementary and advanced instruction is given throughout the year.

11.—INSTRUCTION IN PERSONAL HYGIENE will be included as a part of the physical training course in both Junior and Senior High Schools.

FOR GIRLS.

The aim of this department is twofold:

First, to bring each student to her best possible physical condition, and by a careful system of gymnastic training to correct faulty postures and carriage, to aid in the formation of habits of hygienic living, to establish a normal condition in the circulatory and respiratory systems, to secure bodily vigor, and to obtain a healthful and symmetrical development rather than to secure the greatest increase in muscular power.

Students are under the care of teachers who have had thorough medical training, and will be given special medical or corrective exercises prescribed according to individual needs as indicated by their physical examinations.

In order that the effect upon the muscles may be lasting and best results obtained, students will not be excused from physical training until the required courses are satisfactorily completed, but the work will always be adapted to the individual needs.

Second, to qualify as teachers to intelligently consider the physical needs of their pupils, and to direct in the schoolrooms daily exercises which will prevent or help to correct physical defects; also to teach in their playground, athletics, games, and folk dances.

REQUIRED. Three periods of work per week in gymnastics, athletics or other elective work during the first two years of work in residence gives one-half unit credit, which may apply on requirements for graduation and one-year state certificate, and for the high-school diploma, but not for college entrance.

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Of this requirement, one-fourth must be in athletics or other elective work, but the other three-fourths must be regular gymnasium class work, which consists of marching tactics, free-hand or light hand-apparatus exercises, games or fancy steps. A semester of gymnastics must be completed before a student may substitute elective work.

GYMNASIUM COSTUME FOR WOMEN. A regulation costume is worn in all the classes. This consists of a black serge gymnasium suit and broad-toed tennis shoes. In order that the suits may be uniform and hygienic, students on arrival are advised to report to the Director's office, where second-hand suits of outgoing students will be sold for about four dollars, or new ones may be ordered for five dollars. Only regulation suits will be allowed on the floor.

1.—ELEMENTARY GYMNASTICS. Required of all beginners. Three periods per week. Marching, calisthenics, hand apparatus, and games.

2.—INTERMEDIATE GYMNASTICS. Required of all students who have completed course 1. Three periods a week for at least one semester. Continuation of course 1.

3.—CORRECTIVE GYMNASTICS. Open to all students who have need of the remedial work. Special attention is given to those having spinal curvature, round shoulders, narrow chests, forward heads, weak backs, pronated ankles, or other physical weaknesses.

4.—OUTDOOR SPORTS. Open to all high-school students who have completed two semesters of gymnastics. One or two periods a week, in the spring and fall. In this course are taught a variety of games, including baseball, soccer, playground ball, cross ball, track athletics, and relay racing.

5.—BASKET BALL. Open only to those students who are physically qualified and who have completed course 2 or 3. One period a week.

6.—BASEBALL. One period a week in the second half of the second semester.

7.—HOCKEY. One period a week in the fall.

8.—TENNIS. Open to all students having the privilege of electing athletics. One, two, or three periods a week.

9.—SWIMMING. One lesson a week is allowed each student.

10.—ESTHETIC DANCING. (Elementary.) Two periods a week. The purpose of this course is to develop grace and freedom of movement. The classic dancing is emphasized and is now considered one of the most important phases of the gymnastic exercises.

11.—FOLK DANCING. (Elementary.) One period a week. In this course are taught the simplest peasant and national dances suitable for recreative and exhibition work with children.

12.—ESTHETIC DANCING. (Intermediate.) Two periods a week.

13.—FOLK DANCING. (Intermediate.) One period a week.

14.—INDIAN CLUBS. Two periods a week.

15.—PERSONAL HYGIENE. A course in personal hygiene will be offered to the Junior and the Senior High-school girls. It will be substituted for one period of gymnastics each week. The course will be made to work in with the gymnastics, teaching the physiology of good position, cleanliness, fresh air and regular exercise, etc.

Science.

Supervising Teacher, Associate Professor AGRELIUS.

BOTANY.

ELEMENTARY BOTANY I. One-half unit credit. Summer term, and each semester. Topics considered: A study of the so-called lower plants, with especial emphasis on bacteria and their relation to health, to the preservation of foods, and to soil production and fertility; a similar treatment of fungi, and the origin and nature of a seed. The method is strictly developmental throughout. Text: Bergen and Caldwell's Introduction to Botany. A deposit of seventy-five cents is required in each of these courses to guarantee the return of apparatus intrusted to the student.

ELEMENTARY BOTANY II. One-half unit credit. Summer term, and each semester. The previous course will be continued, with a comparative study of seeds, their germination, their structure and contents; the general structure and work of plants—their roots, stems, and leaves, and the significance of these; plant products and industries connected with them; a consideration of some of the leading families of plants; their uses, characteristics, and distribution; plant improvement, including plant breeding. This study includes field and laboratory work, illustrated lectures, class discussion, and recitations. No credit is given for either of these courses without the other. Text and deposit the same as in Botany I.

CIVIC BIOLOGY I. One-half unit credit. Summer term, and first semester. The purpose of this course is to acquaint the pupil with those biological facts from which arise problems requiring coöperative effort for their solution. This implies a study of some of the facts in question, and also an effort to lead the student to a proper appreciation of the need for joint action on the part of himself and other citizens in bringing about needed results. It may be readily learned that the common rat is a pest. It is of little use for Mr. A to rid his premises of the rats unless Mr. B and his other neighbors do the same. Those phases of the subject that are better studied at this time of the year will be considered. In the summer term the whole subject will be more arbitrarily divided to prevent duplication of the work of the second half of the course. Text: "Civic Biology," by Hodge and Dawson. The pupil will pay for materials used and retained.

CIVIC BIOLOGY II. One-half unit credit. Summer term, and second semester. This course has the same purpose and method as the preceding. It will consider those sides of the subject best considered at this time of the year without undue duplication of course 1, and with the division as suggested in that course in the summer term. Either 1 or 2 may be taken first (or concurrently in the summer term). The text, etc., as in course 1.

Chemistry, Physics, and Physiology.

Supervising Teacher, Mr. VAN VORIS.

CHEMISTRY.

CHEMISTRY I. One-half unit credit. First semester. A study of the principles and laws of the science, with something of its history. This course will include a detailed study of the most typical nonmetallic elements and of some of the more useful metals. It will also cover an introduction to the study of some of the simpler and more familiar organic compounds. The student becomes familiar with such laboratory methods of filtration, evaporation, precipitation, neutralization, distillation and weighing as will give him facility in analysis in the work of the second semester. Text: Olson's Pure Foods. Laboratory fee, $1.

CHEMISTRY II. One-half unit credit. Second semester. Practical analysis is continued throughout the semester. The work includes both qualitative and quantitative analysis of such familiar things as tea, coffee, baking powder, vinegar, fruit juices, water, milk, foods—including tests for adulteration, preservatives, artificial colors and flavors. The chemistry of dyeing and stains receives attention. The more common remedies and patent medicines are examined. The course is elastic enough to allow it to be adapted to the needs of the class and the interest of the individual student. Text: Allyn's Elementary Applied Chemistry. Laboratory fee, $2.

PHYSICS.

PHYSICS I. One-half unit credit. Summer term, and each semester. Properties of matter, motion; characteristics of liquids and gases, work, energy, and heat. The needs and interest of the pupil are kept constantly in mind. The subject is adapted to the pupil instead of adapting the pupil to the subject. During the year the class visits the ice plant, gas works, street railway and railroad car shops, foundry, steam and water mills, telephone exchange, waterworks, heating and ventilating plants, and such other places of interest as opportunity offers.

PHYSICS II. One-half unit credit. Summer term, and each semester. Magnetism, electricity, sound and light. Students having special aptitude are given opportunity to do extra work, such as making motors and dynamos, batteries, erecting telephone and telegraph systems and wireless telegraph stations. They study and test the efficiency of machines, hot-air and gas engines. An abundance of apparatus, selected with reference to the needs of the pupils, is used by the instructor in demonstrating the class work and by the pupils in the laboratory. Text: Black and Davis' Practical Physics.

STUDY OF AUTOMOBILES.

STUDY OF AUTOMOBILES. One-half unit credit. Prerequisite, General Science or its equivalent in Physics. This course includes a scientific study of the construction of standard automobiles, their operation and adjustment, the location of troubles and making minor repairs. The subjects of fuels, carburetors, ignition and lubrication receive much attention. The aim of the course is to enable one to operate an automobile and keep it in good order with a minimum of expense. A shop is provided where actual work in overhauling and adjusting cars is done by the students. This course is open to boys and girls.

PHYSIOLOGY.

HYGIENIC PHYSIOLOGY. One-half unit credit. Summer term, and each semester. A good working knowledge of anatomy and physiology is given the student, but special emphasis is placed upon hygiene in all its phases. The pupil is taught those conditions that tend to the best development and health. To this end the subjects of food, circulation, respiration, excretion, exercise, athletics, etc., are considered, with special reference to the needs of the individual. The cause, prevention and treatment of the more common diseases are fully treated. The aim of this course is to enable the pupil to care for his body properly rather than to commit to memory a large number of technical terms or even to be able to write a specified number of rules of health. Conn and Buddington's Advanced Physiology and Hygiene.

General Science.

Supervising Teacher, Miss BILLIG.

GENERAL SCIENCE I. One-half unit credit. Summer term, and each semester. The work in General Science I includes a study of the atmosphere, its composition and physical characteristics; the weather; the seasons; the relation of air to food manufacture; the relation of molds and bacteria to the health of the individual and to the sanitary conditions of the community. A study of water and its uses is made, with special emphasis on the water supply of the community as it relates to health and sanitation.

GENERAL SCIENCE II. One-half unit. Summer term, and each semester. The work in General Science II takes up a study of work, energy and electricity as they relate to everyday life; the earth in its relation to other astronomical bodies; the earth's crust; plant and animal life upon the earth; the utilization of food in plants and animals.

Experimentation forms a large part of the work in General Science.

Psychology.

Supervising Teacher, Mr. WORCESTER.

ELEMENTARY PSYCHOLOGY. One-half unit credit. Summer term, and each semester. Psychology is taught from the point of view of the intending teacher, and as many as possible of the illustrations and applications of the various subjects discussed are drawn from the schoolroom and its problems. Pupils are asked always to draw their illustrations from their own experience. Text: Phillips, An Elementary Psychology.

School Administration.

Supervising Teacher, Professor CULTER.

RURAL-SCHOOL MANAGEMENT. One-half unit credit. Summer term, and each semester. This course is organized for secondary school students who expect to do more or less teaching before entering their college work. It consists of a study of school site and grounds, house and equipment, school hygiene and sanitation, preparation and personality of the teacher, first day, daily program, play and playgrounds, school government, school incentive, school ethics, the recitation, how to study, library and its use, agriculture in the country school, consolidation and rural-school problems.

SUMMARY OF STUDENTS.

* Summer School only, 1920.

GRADUATE STUDENTS.

*Lydia Barrett Bieberdorf; Emporia.
Mrs. W. S. Bixler; Emporia.
*Lewis Harold Caldwell; Moran.
*A. T. Chapin; Emporia.
*Pearl Juda Fulton; Weston, Mo.
*Roy Vinton Green; Le Roy.
*Nellie Ellen Hall; Emporia.
*George Edward Hamilton; Topeka.
*Carol Haynes; Emporia.
*Dorothy Josephine Haynes; Emporia.
*Elizabeth Alma Johnson; Emporia.
*Mrs. Ada Kempthorne; Downs.
*Ruth Lauback; Osage City.
*Dorothy Madeline Miller; White City.
*Mildred Viola Palmer; Emporia.
*Harry Wilbur Ross; Emporia.
Lillian May Stannard; Emporia.
*May Etta Warden; Cherokee.
*Clarence Edward Widick; Emporia.
*Muriel Ella Williams; Emporia.

THE COLLEGE.

Students Given the Degree of Bachelor of Science in Education July 30, 1920.

Ethlyn Marie Alsop; Wakefield.
Evangeline Ruth Barthel; Emporia.
Ethel Adelaide Baugh; Emporia.
Celia Ivy Burk; Emporia.
Edith Clara Campbell; Mulvane.
Oscar Carl Christensen; Ramona.
Elnora Louise Conrad; Windom.
Frances Louise Cutshaw; Jamestown.
Lena Christina Ellenberger; Emporia.
Joseph Patrick Flynn; Palmer.
Anna Lenore Gepharte; Yates Center.
Edith Rachel Godsey; Emporia.
Nell Virginia Hughes; Topeka.
Emil Leonard Larson; Hartford.
Robert Thomas Leighty; Le Roy.
Harry McGuire; Kiowa.
Elsie Marie Mallary; Emporia.
Robert Arthur Postma; Barclay.
Robena Pringle; Rose.
Robert Milton Riley; Emporia.
Sarah Eunice Speer; Clements.
Elsie Ethel Tangemen; Newton.
Mary Elizabeth Taylor; Sedgwick.
Lawrence Lilliard Thompson; Wamego.
Arthur Edwin Traxler; Carlyle.

Students Given the Degree of Bachelor of Science in Education January 21, 1921.

Carl Andrew Bowman; Ottawa.
Leonard Leon Bowman; Benedict.
Ellis Christensen; Lost Springs.
Calvin Clyde Cloud; Admire.
Mary Ethel Cross; Emporia.
George William Cunningham.
*Frank Lewis Irwin; Valley Falls.
Haddon William James; Augusta.
*Sarah Henry Martin; Caney.
John Benjamin Nanninga; Emporia.
Royal Victor Phinney; Larned.
*Lola Frances Pierson; Emporia.
Mrs. Ruby Saddler Scott; Kan. City, Kan.
Gordon Loraine Weat; Wichita.

COLLEGE SENIORS.

Bertha Mae Acker; Grenola.
Irma Margarette Adams; Grenola.
Flora May Akins; Halstead.
Evelyn Verne Allphin; Pratt.
*Marguerite Leona Armstead; Emporia.
Mrs. Bess Wyant Baker; Emporia.
Ada Lois Bangs; Madison.
Edna Marie Bare; Protection.
Gertrude Lois Barton; Pratt.
*Mary Letetea Beal; Hamilton.
*Paul Becker; Emporia.
*Henry Roy Bell; Emporia.
*William Everett Bereman; Nickerson.
Gladys Faye Beuchat; Madison.
*Joseph Essig Boyle, Bennington.
Fred August Brandner; Emporia.
Rosalie Elizabeth Brigham; Council Grove.
Edna Buckles; Vermillion.
Arthur William Callaway; Wichita.
William Paul Carter; Harveyville.
Joseph Henry Collins; Kansas City, Kan.
*Ray Charles Cook; Rock Creek.
Mabel Cross; Emporia.
*Orphia Estella Daniel; Emporia.
Phyllis Davidson; Columbus.
*Emily Davis; Auburn.
Samuel Floyd Drury; Utopia.
Irene Emily Fairchild; Wellsville.
*Bernice Evangeline Fiehler; Ottawa.
*Guy Ernest Finkle; Galva.
James Columbia Finnerty; Hartford.
*Ralph William Focht; Emporia.
Samuel Theodore Frazier; Marion.
*Ethel Eliza Fritz; Whiting.
Clara Maria Froom; Vermillion.
Arthur Emmett Garrison; Waverly.
Edith Geesling; Turon.
Nellie Margaret Gilbert; Osborne.
Tippia Gist; Bushong.
Esther Wheeler Greer; Marion.
Zella Margaret Hall; Emporia.
*Mary Lucile Harris; Emporia.
Hilah Beth Harris; Marion.
Albert Leopold Hartman; Ozawkie.
*Cora Ethel Harvey; Toronto.
*Constance Effie Hausam; Emporia.
Edna Eula Hukill; Valley Falls.
Inez Jacobs; Emporia.
*Eva Rose Johnson; Phillipsburg.
Jennie Anna Johnson; Russell.
*Otto Kappleman; Palmer.
*Zelda Armour Kappleman; Palmer.

COLLEGE SENIORS—*Concluded.*

*Joseph Langley Kelsey; Richmond.
Laurenia Kiser; Lawrence.
*Max Happy Klein; Glasco.
*Homer Marion Kunz; Emporia.
Otto William Kunz; Emporia.
Carl Henry Lake; Emporia.
*Martha Mabel Largent; Quenemo.
*Flora Agnes Leatherman; Chapman.
Mrs. Helen McCartney; Attica.
Myrtle Annette McCaw; Americus.
*Edith Eleanor McConnell; Council Grove.
*Notie McLean; Peabody.
*Mae Maxson; Emporia.
Robin Pearl Mears; Dodge City.
*Mamie Davis Mellinger; Emporia.
Fred Lapham Miller; Emporia.
*Ratis May Minner; Soldier.
*Bessie Morris; Emporia.
Nora Estella Motes; Scottsville.
Charles Peter Neis; Hope.
Mrs. Adar May Nolte; Healy.
Venice Ogg; Manhattan.
Grace Owen; Independence.
Grant Pistoris; South Haven.
Bessie Irene Powell; Topeka.
Elva Mae Price; Baileyville.
Jessie Delena Quick; Harveyville.
*George James Ranson; Junction City.
Paul Raymond; Dunlap.
*Edith King Rees; Salina.
*Ola Maphis Ridings; Salina.
Trilby Esther Rogers; Meriden.
Crystal Dorothy Rollow; Russell.
*Mrs. Blanche Ross; Emporia.
Frances Willard Shotts; La Crosse.
*Mary Ellen Showers; Neosho Rapids.
Fred Earl Shuler; Bucklin.
*Mabel Simcox; Neodesha.
*Virginia Faye Slater; Severy.
*Merl Grant Smith; Florence.
Leonard Joell Stark; Neosho.
William Orville Stark; Emporia.
*Lulu Anna Stewart; Hazelton.
Nina Asher Tople; St. John.
*Ann Nanninga Trusler; Emporia.
Inez Ethel Ward; Le Roy.
Clara Madaline Wieland; Elk City.
Famie Avis Wilson; Garden City.
*Ruth Withers; Bronson.
*Edith Mary Woods; Wichita.
*Florence Maude Wright; Emporia.
Mae Viola Zimmerman; Sterling.

COLLEGE JUNIORS.

*Susie Phelps Adams; Grenola.
Paul Kennith Agrelius; Emporia.
*Lila Grace Alsop; Wakefield.
John Donald Andrews; Emporia.
*Irene Helen Anderson; Topeka.
*Ida Rebecca Armour; Emporia.
*Zedna Armour; Emporia.
*Clara Pearl Armstead; Emporia.
*Carol Louise Ashby; Emporia.
*Pearl Marie Bacon; White City.
Mary Ruth Banks; Salina.
*Mabel Christianna Benfer, Raton, N. Mex.
Ruth Marie Berg; Emporia.
*Mrs. Mabel Birdsong; Emporia.
Verne Bishop; Emporia.
*Stella Bonwell; Emporia.
Kathryn Myrtle Braden; Derby.
Ruby Rachel Braden; Derby.
*Mattie Carlisle Bray; Osawatomie.
Neta Irene Briggs; Emporia.
Harry Britton; Emporia.
*Gertrude Eliza Brown; Ottawa.
Nellie Josephine Brown; Emporia.
Elizabeth Byerly; Fredonia.
*Edith Jennie Carlile; Emporia.
*Marie Charlsie Carnagey; La Cygne.
*Lucile Theresa Carpenter; Burlington.
*Nellie Olive Carr; Fowler.
*Mary Chandler; Kincaid.
*Early Most Chestnut; Kincaid.
Lottie May Clark; Pratt.
Lura LaVerne Cleaver; Emporia.
*James Bostick Cooper; Kansas City, Kan.
*Dorothy Emma Corning; St. John.
*Doris Mary Dola; Iola.
Ruth Edna Cowan; Athol.
*Salon Gideon Cox; Pomona.
*Rachel Scott Cunningham; Emporia.
*Mary Jane Dancy; Emporia.
Bernice Dary; Kincaid.
*Celia Leah Davis; Newton.
*Mae LuElla Davis; Winchester.
*Earl Howard Dean; Hamilton.
*Grace Marie Dean; Valley Falls.
*Margaret Faye Dean; Valley Falls.
*Clara Evalina Delander; Kinsley.
Beatrice Dent; Emporia.
Carl Everett Dent; Council Grove.
Ellsworth Charles Dent; Council Grove.
*Margaret Elfreda Devereux; Troy.
Elsie Lizzie Doering; Utopia.
David Elvin Donaldson; Emporia.
Otie Driskell; Washington.
Irl Hickes Dulebohm; Emporia.
Homer Roy Donfield; Lebo.
*Harriett Eddy; Havensville.
*Lesil William Edwards; Kincaid.
Veola Lydian Enns; Inman.
*Mary Leone Falls, Valley Falls.
Mary Josephine Fisher; Emporia.
Esther Fluker; Emporia.
Frances Lee Friend; Emporia.
*Effa Excelene Fritz; Whiting.
Minnie Victoria Froom; Vermillion.
*Meredith Garten; Emporia.
*Grace Marie Gerber; Meriden.
Edna Gilmore; Moran.
*Mabel Godsey; Emporia.
*Anna Gertrude Good; Emporia.
*Mrs. Roy Vinton Green; Le Roy.
Muriel Ella Groendycke; Medicine Lodge.
*Mary Groft; Wa Keeney.
Vesta Gross; Emporia.
*Romula Juila Guilbert; Concordia.
John Elmer Harclerode; Humboldt.
Frances Mary Harshbarger; Kincaid.
*Wilbur Harshbarger; Kincaid.
William Paul Hatcher; Emporia.
*Ethel Kathryn Haubold; Parsons.
*Mary Virginia Haynes; Emporia.
*Hazel Lenora Hershey; Milton.
*Kathleen Garnet Hess; Hutchinson.
Adele Elizabeth Hill; Chapman.
*Vina Ethel Hilderman; Emporia.
*Treva Pauline Hilyard; Severy.
*Alma Ruby Hoag; Lebanon.
*Elva Mae Hoag; Lebanon.
*Janet Edna Hodson; Paola.
Jessie Adelaide Hopkins; Lawrence.
Priscilla Mary Howe; Emporia.
*Frances Esther Hoyt; Reading.
Faye Huffman; Emporia.
*Virgil Hurt; Edgerton.
*Lena Omoret Hutchins; Ottawa.
*Folsom Dickenson Jackson; Humboldt.
*Katie May Jacques; Ensign.
Charles Theodore Johnson; Emporia.
*Hazel Longshore Johnson; Emporia.
Minnie Catherine Jones; Emporia.
*Herbert Hayes Konantz; Claflin.

COLLEGE JUNIORS—*Concluded.*

Lois Koontz; Emporia.
*Violet B. Kretsinger; Emporia.
Charlotte Ann Kunz; Emporia.
*Edith Dorothy Lloyd; Emporia.
*Jessie Hamilton Lowe; Kingman.
Lucile Ludwickson; Severy.
Margaret Isabelle Ludwig; Kan. City, Kan.
Katherine Beatrice Lund; Alma.
*Hazel Evelyn McClellan; Glasco.
Walter Ezra McCord; Emporia.
Lloyd Wesley McGahan; Burns.
*Frances Elizabeth McLeod; Edgerton.
*Ruth Maher; Osawatomie.
*Ethel Huldah Manahan; Wellington.
Ray Franklin Manly; Diamond Springs.
Sara Leslie Maxwell; Topeka.
Ruth Mendel; Emporia.
*Flora Mihm; Emporia.
*Wilma Pauline Miller; Wathena.
*Zella Elzina Miller; Langley.
Bess Miner; Burlingame.
Flora Irene Mitchell; Republic.
Tracy Morgan; Emporia.
*David Morgan; Gardner.
*Bernice Madge Morrison; Canton.
*Mary Christine Mort; Emporia.
Ruth Myer; Emporia.
Mrs. Elva Lindsay Nafziger; Perry.
Grace Nemecheck; Abilene.
Elva Hofziger; Perry.
Minnie Alivin Norlin; McCracken.
Jennie Small Owen; Emporia.
Mark Owen; Williamsburg.
*Ada Ollie Parker; Emporia.
*Sedie Ellen Pasle; Sycamore.
*Donald Edgar Paterson; Emporia.
*Caroline James Patton; Atchison.
*Zemira Ann Peek; Cummings.
*Malinda Pegram; Emporia.
*Georgie Geneva Pence; Sterling.
Olive Grave Phelps; Olathe.
*Marguerite Pinkerton; Clay Center.
*Mabel Irene Pinson; Cheney.
*Frances Ruth Potter; Emporia.
*Margaret Mary Prout; Topeka.
Lucian Robert Pyle; Emporia.
*Elizabeth Louise Quinn; Elwood.
*Elsa Ramsburg; Emporia.
*Alfred Kirk Ramy; Piedmont.
*Harriet Elizabeth Ranson; Junction City.
*Irma Rees; Emporia.
*Ruth Anna Rickird; Emporia.
Clarence Walter Rinehart; Arkansas City.
*Marie Rioth; Shawnee, Okla.
*Nellie Gertrude Roark; Lake City.
Frankie Robertson; Coffeyville.
Lee Charles Rugg; Emporia.
Alta May Sawyer; Topeka.
*Madelene Miriam Scott; Topeka.
*Mildred Adelene Scott; Topeka.
*Daisy Elva Seevers; St. John.
*Hazel Ruth Shepard; Emporia.
*Lina Maria Shippy; Chapman.
*Alda Smith; Emporia.
*Ella Margaret Smith; Republic.
Grace Belle Smith; Agra.
Granton Elbert Sower; Elma.
*Mabel Leota Spielman; Overbrook.
*Edward Freeman Stephenson; Cherokee.
*Gladys Pauline Stewart; Americus.
*Helen Irene Stilwell; Eureka.
*Guy Perry Stouder; Emporia.
*Ruth Elizabeth Sturdevant; Chanute.
*Ethel Swenson; Randolph.
William Harold Talbott; Emporia.
*Henry Taylor; Howard.
*Florine Elizabeth Teichgraeber; Emporia.
*Dora Thomas; Emporia.
*Ina Wilhelmeta Thomas; Emporia.
*Mark McCall Thompson; Galva.
*Birdena Roberta Thomson; Emporia.
Anna Elizabeth Thorne; Kinsley.
*Sue Townsend; Girard.
*Thomas Trigg; Blue Mound.
*Nellie Meyers Uhl; Baldwin.
*Zacka Vandegraft; Belpre.
*Jake Vandervelde; Emporia.
Violet Vance; Topeka.
*Cecil Mae Voshell; McPherson.
*Alta Leona Walters; Nemaha.
*Belle Wasser; Horton.
Josephine Weaver; Topeka.
*Linna Wehe; Anthony.
Marion Welch; Emporia.
*Dorcas Mary Weir; Newton.
*Clede Hannah Wellborn; Emporia.
Vesta Mary Weston; Emporia.
Alma White; Emporia.
*Gladys Owen Williams; Emporia.
*Herbert Frederick Wilson; Kan. City, Kan.
*Mamie Alma Wincens; Neosho Rapids.
Harry De Merle Wolf; Haven.
*Lois Wood; Emporia.
Eva Alice Woolsey; Emporia.
Mabel Alys Yearout; Lyndon.
Lloyd Percy Yound; Moran.
Sherman Kenneth Yound; Eskridge.
*Margie Ethel Youngberg; Anthony.

COLLEGE SOPHOMORES.

*Lucile Mae Abraham; Emporia.
Kenneth Ira Abrams; Emporia.
Claire Tangeman Agrelius; Emporia.
*Mary Angeline Alford; Mullinville.
*Florence Evelyn Anderson; Salina.
George Wilson Arnold; Emporia.
*Jamie Ruth Augustine; Yates Center.
*Eunice Ann Baker; Chase.
Helen Elizabeth Ball, Kansas City.
Lydia Marie Balmer; Emporia.
Reed Robinson Bang; Emporia.
*Leona June Baptist; Emporia.
Myrna Ruth Baptist; Emporia.
Eva Mae Barker; Topeka.
*Mabel Joy Barr; Douglas.
Esther Baughman; Reading.
*Alma Eva Beadle; Wilson.
*Nellie Mae Beatty; Goodland.
*Margaret Jane Beaver; Wellsville.
Julia Priscilla Bebermeyer; Enterprise.
Frances Juanita Beem; Pratt.
*Mary M. Bell; Emporia.
*Ruth Melvern Bettes; Independence.
Marjorie Elizabeth Bettes; Independence.
James Roy Bitler; Emporia.
*Ralph McKinley Bitler; Emporia.
*Fern Helen Black; Newton.
*Georgia Black; El Dorado.
Rebecca Lulu Bolton; Geneseo.
*Ruth Marie Bonnell; Neodesha.
*Beatrice Biolet Boyer; Welda.
*Nellie Seal Boyer; Emporia.
*Margaret Elizabeth Bradley; Parker.
Anna Meldena Braley; Horton.
Nelda Belle Bramwell; Emporia.
*Lola Barbara Brandt; Severy.
Francis William Briner; Oskaloosa.
Hugh Brogan; Emporia.
Grace Cassandra Brown; Kansas City, Kan.
*Florence Estella Bruce; Emporia.
Gladys Ellora Bruce; Emporia.
Geraldine Imogene Bryant; Salina.
Blanche Busby; Atchison.

COLLEGE SOPHOMORES—*Continued.*

*Georgia Elizabeth Burns; Carbondale.
Gladys May Butlerfield; Delphos.
*May Pauline Byrd; Emporia.
Martha Belle Caldwell; Lecompton.
*Mabel Sylvia Campbell; Emporia.
*Bertha Edith Carls; Wakarusa.
*Edith Augusta Carlson; Emporia.
*Eleanora Helen Carlson; Emporia.
*Thelma Josephine Carnagey; La Cygne.
*Faye Ethel Carthrae; Coldwater.
Alex Heaton Case; Marion.
Cecil Dee Chaman; Glasco.
*Olvie May Christianson; Caney.
Leland George Clark; Buffalo.
*Edna Elight Clark; Topeka.
*Herschel Joseph Clark; Perry.
*Marguerite Mary Clark; Olathe.
Mabel Irene Clarkson; Anthony.
Ninabelle Clinkscale; Atchison.
*Edna Voris Copeland; Wichita.
*Grace Evans Cox; Leavenworth.
*Genevieve Pearl Craig; Waverly.
Frank Craig; Melvern.
Florence Edna Cross; Emporia.
*Kate Martha Cromley; Mulvane.
*Florence Edna Cross; Emporia.
*Harry Elbert Crosswhite; Parker.
*Grace Ellen Crowell; Alta Vista.
*Marietta Crowley; El Dorado.
*Nora Beatrice Daily; Guymon, Okla.
Clara Alice Davies; Clay Center.
*Grace Helena Davies; Neodesha.
Esther Belle Davis; White Water.
Mount Ervin Davis; Douglass.
*Maude Theodoria Davis; Hartford.
Theodore Hartsel Davis; Olpe.
Alice Day; Allen.
*Karl Samuel Day; Dwight.
Curtis De Vaughn Dean; Moran.
*Lola Pearl De Moss; Latham.
Hazel Gertrude De Shurley; Augusta.
Dorothy Detrick; Caldwell.
Grace Rosalie Derby; Lawrence.
Edith Dettmer; Bushong.
Frieda Alyn Dickey; Valley Falls.
*Mabel Sophia Dial; Topeka.
*Isaacs Tobias Dirks; Buhler.
*Anne M. Diver; Humboldt.
*Ethel Reed Diver; Humboldt.
Grace Sarah Dixon; Leon.
Clarence Magill Dodds; Welda.
Russell Payson Drake; Emporia.
Ella M. Drury; Utopia.
Gladys Duncan; Columbus.
Roy Durham; Toronto.
Floyd Summer Ecord; Garnett.
*Betty Marie Edwards; Jewell.
Amos Engle; Abilene.
*Aganetha Agatha Entz; Salina.
*Dorothy Idell Ernst; Overbrook.
Margaret Evans; Cimarron.
Edith Mae Fellows; Neodesha.
*Mary Jane Ferrell; Independence.
Freda Lena Feihler; Kansas City, Kan.
*Niva Lelia Fishburn; Overbrook.
Emma Rebecca Fisher; Emporia.
Loma Fleming; Emporia.
Marie Louise Focht; Emporia.
Nora Ella Forrester; Moline.
*George Henry Fortner; Eudora.
Lottie Maude Fowler; Lucas.
*Blanche Mabel Foy; Osborne.
*Elizabeth Muriel Frazier; Girard.
*Fern Augusta French; Emporia.
*Ora Pearl Fridley; Alma.
*Dollie Electa Frost; Republic.
Esther Priscella Froom; Vermillion.
Hazel Clare Fulk; Lebo.
*Temperance Dodge Fuller; Geneseo.
*Florence Fern Garringer; Mound Valley.
Lulu Augusta Gavin; Lawrence.
Ethel Lavern Gensman; Enid, Okla.
*Sarah Gertrude Gillman; Pratt.
*Mrs. Effie Gist; Emporia.
*Louise Miriam Glenn; Kiowa.
*Claudia Mary Glover; Humboldt.
Winona Agnes Goodno; Bronson.
Ethel Thelma Gordon; Rosedale.
Ethel Graham; Paola.
Bonnie Graham; Wichita.
*Florence Malvina Grant; Elk City.
Mellicent Irma Grant; Topeka.
Verna Marguerite Green; Garnett.
Bessie Annette Greene; Salina.
*Lulu Lee Greene; Salina.
*John James Greenlee; Americus.
Mildred Viola Griblin; Virgil.
*Minnie Anne Griffits; Pomona, Okla.
*Rachel Margaret Grove; Welda.
Wilhelmina Catherine Guffler; Emporia.
*Marie Gunsaullus; Fort Scott.
Grace Mabel Hall; Minneola.
*Margaret Mary Hall; McPherson.
Lola Hambleton; DeSoto.
LaRue Hamilton; Little River.
Chloe Pearl Hardy; Blue Mound.
Aurella May Harner; Green.
Lora Ellen Harris; Potwin.
Neva Belle Harrod; Ponca City, Okla.
*Reba Ruth Harvey; Emporia.
Samuel Earl Hassinger; Americus.
*Gertrude May Hatfield; Belle Plaine.
Christine Margaret Hausam; Emporia.
Clarence Hausam; Emporia.
Helen Pierce Hawks; Topeka.
*Ruth Verda Haworth; Leavenworth.
Wilda Marguerite Hay; Eskridge.
Frances Maud Hayes; Topeka.
*Vivian Delpha Haynes; La Cygne.
Bertha Pauline Heaton; Emporia.
Jewell Marie Heaton; Emporia.
*Ida Pauline Henderson; Neodesha.
*Edna Asenath Henley; Clyde.
*Mabel Marie Herrin; Leavenworth.
*Kathryn M. Heatherington; Emporia.
Earna Hildebrand; Cimarron.
Jean Annie Hill; Emporia.
Helen Elizabeth Hilton; Emporia.
*Zelma Louise Hilton; Emporia.
*Rose Juanita Hilty; Johnson.
*Hilda Grace Hoatson; Emporia.
*Lola Hoover; Mt. Hope.
*Harriet Elizabeth Howard; Yates Center.
Ruth Elizabeth Huitquist; Lindsborg.
*Mrs. Sue M. Humphrey; Emporia.
*Faye Valeria Irwin; Barnes.
*Elsie Elizabeth Jackman; Maize.
*Jewel Elizabeth Jacks; Princeton.
*Vera Veronia Jackson; Lewis.
Eva Susan Jacques; Ensign.
Ava May James; Welda.
*Ruth Moore Jamison; Anthony.
*Anna Marie Johnson; Alta Vista.
*Helen Louise Johnson; Emporia.
*Lillian Marie Johnson; Clay Center.
Ione Hazel Jones; St. Joseph.
*Marvin Lee Jones; Emporia.
Lillie Margaret Jordon; Topeka.
Myrtle Pearl Joseph; Sedgwick.
Ruth May Justis; Kiowa.
Helen Caroline Kahn; Dwight.
*Beulah Augusta Kaiser; Atchison.
Mabel Marguerite Kellerman; Burlington.
*Margaret Esther Kenton; Bonner Springs.
*Mrs. Carrie Smith Kerford; Atchison.

COLLEGE SOPHOMORES—*Continued.*

*Helen Elizabeth; Junction City.
*Jennie Kimble; Carbondale.
Ilo Imogene Kinney; Cherryvale.
*Lucile Opha Kinney; Cherryvale.
Hazel Gertrude Kirk; Flint Ridge.
Mabelle Kirkpatrick; Eureka.
*Edan Frances Klamet; Tonganoxie.
Frances Gertrude Kohler; Lincoln.
Lottie Louise Kutnink; Moundridge.
Paul Edwin Kutnick; Moundridge.
Katherine Kyger; Winfield.
*Hazel Marie Laird; Emporia.
Edna Marie Lannagan; Burlington.
*Dorothy May Lawrence; Emporia.
Mrs. Edith Bolin Lentz; Arlington.
*Mary Hattie Lewis; Wichita.
Reese Lewis; Emporia.
*Georgia Dorothy Lilley; Burns.
*Vera Ingeborg Lindholm; Falun.
*Clara Elizabeth Linscheid; Arlington.
*Magdelyn Lozman; Atchison.
Daisy Evelyn Long; Kansas City, Kan.
Irma Bernita Long; Lincoln.
Paul Clyde Loveless; Marion.
*Ada Inez Lundquist; Lindsborg.
*Howard Bryan Lusk; Olivet.
Maurine McCabe; Sedgwick.
Cecil Lois McCandless; St. John.
Rosa Mae McCleland; Lawrence.
*Anna Blanche McConnaghey; Quincy.
*Walter Ezra McCord; Emporia.
Lloyd John McCracken; Augusta.
*Ethel Dell McDaniel; Admire.
*Edith Abigal McMullen; Melvern.
Lois Juanita Magholm; Dunlap.
*Faye Marjorie Maguire; Little River.
Gertrude Ellen Mahoney; Scranton.
*Effie Louise Mahar; Emporia.
*Ruby Elizabeth Maher; Osawatomie.
Betty Ella Maill; Elmo.
*Ruth Evangeline Malmgren; Falun.
*Minnie Frances Manger; Coffeyville.
Vivian June Manley; Topeka.
Ione Gladys Mason; Yates Center.
Mildred Mary Mason; Yates Center.
Floyd Mauck; Emporia.
Ray Charles Maul; Emporia.
*Emaleigh Maxwell; Galva.
James Willard Mayberry; Emporia.
*Helen Florence Meath; Humboldt.
*Lois Anne Meath; Humboldt.
*Eva Rosanna Merrifield; Fredonia.
Leonard McKinney Merrifield; Kincaid.
Bertha May Meyer; Hiawatha.
Mary Elizabeth Michael; Burlingame.
*Nell Miles; Garden City.
*Clara Mae Miller; Great Bend.
Ina Opal Miller; Emporia.
*Edith Myrtle Mills; Emporia.
*Bertha Lorena Minner; Soldier.
*Adeline Fatima Moore; Hartford.
*Mrs. Effie Lee Moore; Emporia.
Howard Thomas Morgan; Emporia.
*Mable Morgan; Howard.
Eugenia Morrison; Canton.
Orvetta Ruth Moten; Topeka.
Olive Lela Mott; Columbus.
Martha Mugler; McPherson.
Theresa Marie Murray; Salina.
Rosetta Myer; Cherokee.
*Lillian Emily Nattier; Neodesha.
*Ruth Louise Neal; Paola.
Olive Pauline Neff; Emporia.
Alvena Amelia Nietert; Newkirk, Okla.
*Flora Elizabeth Noe; Wetmore.
*Geraldine LaVon Noffsinger; Fall River.
Catherine O'Connor; Emporia.
Dorothy Payne O'Dell; Topeka.
*Ruth O'Farrel; Emporia.
*Annie L. Oliver; Leavenworth.
*Jeannette Lola Overfield; Independence.
Mildred Dutcher Overton; Newton.
Eloise Owsley; Longford.
Mary Ellen Packer; Chanute.
*Lena May Paige; Hutchinson.
*Mary Elizadah Parker; Arkansas City.
*Genevieve Patterson; Barnes.
*Lydia Marguerite Patterson; Whiting.
Myrtle Sara Payne; Pomona.
Lillian Pelzel; Harper.
*Gladys Perryman; Arkansas City.
Murrell Lorena Peter; Olathe.
Margaret Alice Peters; Emporia.
*Mildred Bertha Pfeiffer; Lorraine.
*Helena Elizabeth Pfleger; Eudora.
Earl Eugene Phares; Burlington.
*Olive Grace Phelps; Olathe.
*Pearl Ellen Pickens; Lebo.
*Elfie Maude Pittman; Valley Center.
Margaret Pontious; Winfield.
Marjorie Powell; Cherryvale.
Ethel Rankin; Lincoln.
Edna Rector; Emporia.
*Trilby Oletha Redd; Fort Scott.
Anna Belle Reddins; Independence.
John Heming Reider; Emporia.
Florence Lucile Reitz; Cherokee, Okla.
Lillian Elizabeth Richardson; Emporia.
Robert Bruce Ricker; Emporia.
*Lulu Beam Ricketts; Iola.
Roy Wilford Riegle; St. John.
*Alberta Rife; Kansas City, Kan.
Mae Edith Riggs; Cheney.
Ruby Thelma Risinger; Fredonia.
Hazel Marie Roads; Kansas City, Kan.
*Gladys Eugenia Roberts; Dunlap.
*Velma C. Robson; Mayetta.
Anna Rodewald; Halstead.
Sophie Rodewald; Vassar.
*Ethel Rogers; McPherson.
*Mathilde Rosalie Rossier; Onaga.
Maurine Harriet Rowe; Le Roy.
Arthur Rucker; Council Grove.
*Myrtle Edna Salter; Guymon, Okla.
*Annabel Sawyer; Topeka.
Halen Eunice Schafer; Vermillion.
Wilma Irene Schafer; Vermillion.
*Clara Eva Schmidt; Lorraine.
Myrtle Grace Self; Cedar Point.
Lillian Louise Sexton; Abilene.
*Agnes Faustine Shaftesbury; St. John.
Winnie Maude Shank; Emporia.
*Velma Sheet; Glen Elder.
Gladys Shell; Medicine Lodge.
*Esther Clara Shellenberger; Allen.
*Irene Shoemaker; Severy.
*Sarah Augusta Shoner; Newman.
*Esther Elsye Sievers; Marion.
Olive Elizabeth Sinclair; Canton.
Helen Louise Slater; Severy.
Ralph Sloan; Zenda.
Ruth Mae Sloan; Zenda.
*Laura May Smiley; Silver Lake.
*Alfred Dillon Smith; Chanute.
*Mrs. Alfred Dillon Smith; Chanute.
*Elizabeth Burtis Smith; Atchison.
Eugenia Charlotte Smith; Atchison.
*Helen Dailene Smith; Emporia.
*Marjorie Elizabeth Smith; Emporia.
Velma Esther Smith; Colony.
*Blanche Marie Smythe; Salina.
Hazel Etta Smyth; Glasco.
*Ethel Marie Snelling; Norwich.
Vivian Neoma Snow; Emporia.
Pearl Constance Snyder; Abilene.
*Ernest Sonnenberg; Council Grove.
*Edna Hemenway Spencer; Ramona.

COLLEGE SOPHOMORES—*Concluded.*

Raymond George Spencer; Emporia.
Elizabeth Marie Sperling; Emporia.
Guy Richard Spiker; Emporia.
*Emma Eileen Sprout; Turon.
Robert Noel Sprout; Belle Plaine.
*Cassie Belle Stenger; Council Grove.
Jessie Ann Stephens; Emporia.
*Minnie Elizabeth Sterling; Clay Center.
Anna Marie Stephenson; Burlington.
*Nora Sophia Stoaz; Beattie.
Viola Strough; Wichita.
Martha Stout; Emporia.
Dale Stout; Emporia.
Hattie Eleanor Supple; Michigan Valley.
*Helen Louise Supple; Scranton.
*Nanelon Sweeney; Arkansas City.
Addie Ethel Thomas; Detroit.
Laura Isabel; Osage.
*Josephine Mary Thorn, Beattie.
Adalene Patti Tilley; Emporia.
*Helen Travis; Topeka.
*Josephine Victoria Tredway; La Harpe.
Dorothy Triplett; Emporia.
*Anna Irene Troll; Emporia.
*Victor Thomas Trusler; Emporia.
*Grace Eldora Van Tries; Wellsville.
Earl Van Winkle; McCracken.
*Esther Sophronia Vincent; Nortonville.
*Esther Wilma Vincent; Overbrook.
Pearl Vollrath; Emporia.
*Jacob Voth; Buhler.
*Schyler Alberta Wagner; Iola.
*Ethle Mary Wahl; Independence.
*Pearl Mable Wakefield; Leon.
*Gladys Margarette Walker; Osage City.
*Mrs. Millie Odessa Walrafen; Stafford.
*Myrtle Nina Watts; Burlington.
*Vaughnie Jean Waynick; Wellington.
Elizabeth Addie Webber; Logan.
Ralph William Weden; Osage.
*Frances Marie Wehe; Anthony.
*Clara Weide; St. John.
*Marion Welch; Emporia.
*Jessie Marie Wells; Emporia.
Lela Allene Welton; Fairview.
*Charles West; Bronson.
Mary Elizabeth Whitcraft; Osage.
*Agnes Christina Whitted; Derby.
Florence Anne Wilkerson; Lewis.
*Annie Eliza Williams; Emporia.
*Daisy Fern Williams; Wellington.
May Zelma Williams; Soldier.
*Ralph Elgin Williamson; Emporia.
*Myrtle Deborah Wilmore; Emporia.
Hazel Pauline Wilson; Downs.
*Mary Emma Wilson; Formoso.
Ruth Jeannette Wilson; Topeka.
Marie Gladys Wimmer; Protection.
*Dora Mayrella Windhorst; Belpre.
*Ollie Alice Wolf; Chanute.
Rose Marie Wolverton; Barnes.
Clara Blair Woodson; Emporia.
*Jennie Marie Woodward; Yates Center.
*Eva Alice Woolsey; Emporia.
*Maye Myrta Wright; Miltonvale.

COLLEGE FRESHMEN.

*Lily Fern Aaron; Goddard.
*Abi Katherine Ablard; Kingman.
*Laura Nelle Acker; Grenola.
*Dora Adams; Iola.
Marjorie Maude Adams; Emporia.
Anita Roberta Adams; St. John.
*Edna May Adams; Carlyle.
*Flossie Helen Adams; Emporia.
*Helen Marie Affalter; Merriam.
*Dora Marie Ahreno; Halstead.
*Lillie Mabel Akright; Utopia.
*Flora Naomi Albin; Saffordville.
*Frances Evelyn Allison; Topeka.
*Helen Marton Allison; Culver.
*Lena Fern Allmon; Haviland.
*Adeline Lavina Anderson; Belpre.
*Alta Beulah Anderson; Cheney.
*Earle Thruston Anderson; Maize.
*Eva Venita Anderson; Stafford.
*Marie Winifred Anderson; Cheney.
*Mina Lillis Anderson; Alton.
*Murrel Ellen Anderson; Topeka.
*Olive Jane Anderson; Virgil.
*Ruth Cordelia Anderson; Americus.
*Twila Elva Anderson; Linwood.
*Victoria Elmina Anderson; McPherson.
*Anna Margaret Andsager; Plevna.
*Elsie May Andsager; Plevna.
*Naomi Evelyn Angstead; White City.
*Ethel Rosaline Appleby; Formoso.
*Gladys Melvina Archer; Carlyle.
*Ermine Katherine Arner; Lane.
*Della Blanche Arnold; Kansas City, Mo.
*Lena Myrtle Arnold; Reading.
Lelia Lillian Arnold; Pratt.
*Vinita Helen Arnold; Kansas City, Kan.
*Viola Hildred Arnold; Kansas City, Kan.
Pearl Mae Ash; Topeka.
*Helen Dorothy Ashby; Emporia.
Helen Marguerite Atherly; Gridley.
*Fern Nancy Austin; Harveyville.
*Alma Loree Averill; Wellsville.
*Edna Pearle Ayes; Fravel.
*Leone Lera Bacon; Kingman.
*Wilma Ella Bacon; White City.
*Ilomay Bailey; Wellington.
*Ruth Clarice Bailey; Circleville.
*Mollie Frances Bain; Dunlap.
*Zola Annette Baird; Buffalo.
*Beulah Mae Baker; Cedar Point.
*Esther Anita Baker; Parkerville.
*Josephine May Baker; Cedar Point.
*Beatrice Fern Baldwin; Valley Center.
Myrtle Mabel Balthrop; Kansas City, Kan.
Jennie Hayes Bane; Darlow.
*Mabel Anne Barber; Pleasanton.
Ethyl Grace Barber; Barnard.
*Victoria Clementine Barber; Pleasanton.
*Clara Marie Barnes; Paola.
*Edna Ruby Barnes; Hazelton.
*Etta Catherine Barnes; Atlanta.
*Nellie Florence Barnes; Greensburg.
*Gladys Frances Barnett; Leonardville.
*Ulma Mildred Barnhart; Belleville.
*Carl Barnhart; Tonganoxie.
*Edythe Viola Barnhart; Belleville.
Margaret Barnhart; Emporia.
Everett Barr; Emporia.
*Mrs. Ethel Ann Barrett; Downs.
Daniel Fred Barthel; Emporia.
*Columbia Bartley; Powhattan.
*Auretta Susan Barton; Pretty Prairie.
*Lottie Clara Barton; Cuba.
Wesley William Barton; Moran.
*Emma Lou Bassett; Hartford.
*Pearl Baughman; Reading.
*Edith Ruby Baur; Nortonville.
*Carter William Baxter; Auburn.
*Neva Elmyra Baxter; Larned.
*Lola Nara Bean; Soldier.
*Eunice Allegra Beatty; Goodland.
Gladys Viola Beck; Manhattan.
John Elliott Beck; Greensburg.
*Verna Pauline Beck; Pratt.

COLLEGE FRESHMEN—*Continued.*

*Ethel Pearl Becker; Fairview.
*Ida Sarah Beckert; Emporia.
*Maude Ethel Beckett; Cheney.
*Edna Olive Bell; Oneida.
*Emma Irene Bell; Havensville.
Willis Harold Bell; Burlington.
*Sybil Avice Benjamin; Deerfield.
*Ada Irene Benton; Osage City.
*Luceta Gladys Bereiter; Cawker City.
*Lola Marie Berg; McPherson.
*Tena Lula Bert; Abilene.
*Beulah Agnes Best; Hazelton.
*Rachel May Best; Bushong.
Ruth Myrtle Betterly; Emporia.
Willis Ralph Betty; Emporia.
Daisy Ellen Bible; Emporia.
*Lucy May Billings; Downs.
*Irma Mae Bingham; Blue Mound.
*Edna Mae Bird; Garfield.
*Beatrice Bishop; Fowler.
Myrtle Irene Bissitt; St. John.
*Helen Marceline Black; Sterling.
*Edith Blackburn; Courtland.
*Alma Blackmore; Havana.
*Rose May Blackwelder; Pratt.
*Lucile Lola Blake; Coldwater.
*Florence Louise Blanton; Merriam.
*Ida Winifred Blaser; Sabetha.
*Lena Mabel Bliss; Pomona.
*Katie Zora Block; Moundridge.
*Freda Mae Blossom; Dunlap.
*Ruth Marie Blumberg; Denison.
Bruce Kieth Blunt; Kincaid.
Mable Lucille; Fredonia.
*Minna Wilhelmina Boese; Hillsboro.
*Edna Shearer Boggs; Beattie.
*Esther Beatrice Bogle; Council Grove.
*Bertha Boland; Prairie View.
*Nella Belle Bolinger; Bushton.
*Ruth Esther Bollen; Atchison.
Veronica Bonfield; Elmo.
*Reba Ellen Bommer; Oketo.
*Margaret Adda Bonaly; Leavenworth.
*Genevieve Bone; Atwood.
*Theresa Bonham; Cheney.
*Laura Lowell Bonnell; Severy.
Mabel Pauline Bonnell; Neodesha.
*Mary Burzilla Bonnell; Neodesha.
Marjorie Virginia Bonwell; Emporia.
*Ina Marcella Bowman; Council Grove.
*Florence Marie Bort; Zenda.
*Sophia Alberta Boswell; Piedmont.
*Addie May Bower; Marion.
*Leone Bower; Olivet.
*Lucy Clarene Bowyer; Potwin.
*Mary Lucile Boyd; Dwight.
*Elizabeth Jane Boyer; Emporia.
*Halcie M. Boyer; Welda.
*Hazel Olive Boyer; Iola.
*Mildred Jeanette Boylan; Arkansas City.
Bertha Ellen Boyle; Burrton.
Thomas Kille Boyles; Havensville.
Edna Fary Bracey; Emporia.
Fern Lois Bracey; Emporia.
Rachel Gertrude Bradshaw; Topeka.
*Hobert C. Brady; Fowler.
Maytele Cecil Braley; Norton.
*Ferne Ethel Bramhall; Kingman.
*Anna Henrietta Braner; Herington.
*Mary Alice Braum; Denison.
*Marion Sydney Bray; Kingman.
Carol Veda Brewster; Topeka.
Helen Marie Brickell; Emporia.
Alice Myrtle Bridges; Alma.
Burton Claud Briggs; Emporia.
*Alta May Brink; Ford City.
*Eva May Britton; Elkhart.
Logan Britton; Emporia.
*Alice Avis Brockway; Clifton.
*Florence Caroline Brodhead; Wakefield.
Whit Jones Brogan; Emporia.
*Charlotte Bronte; Pratt.
*Priscilla Blanche Brooke; Beloit.
*Daisy Maie Brooks; Meriden.
*Hazel Vera Brooks; Wichita.
Mayme Retta Brooks; Kansas City, Kan.
*Genevieve Ruth Brown; Woodbine.
*Grace Cassandra Brown; Atchison.
*Irene Violet Brown; Newton.
Shirley Arline Brown; Emporia.
*Mrs. Helen Scott Brownfield; Westmoreland.
*Ora Mae Brownfield; Holton.
*Pearl Katherine Brubaker; Gardner.
*Forrest Kenneth Bryan; Leoti.
Helen Lois Bryan; Dexter.
Marjorie Ethel Bryant; Haviland.
*Mary Charlotte Bryan; Scott City.
*Esther Agnes Bryant; Downs.
*Nellie Bryant; Lawrence.
Eda Myrtle Buck; Emporia.
Francis Edwin Buck; Emporia.
*Helene Henrietta Buck; Linn.
*Margaret Bunnell; Alton.
*Irene Anna Burdette; Herington.
*Roberta Claire Burgert; Hiawatha.
*Amelia Estelle Burgess; Eminence.
*Hazel Mae Burke; Clifton.
*Marjorie Gladness Burke; Independence.
*Edythe Burnham; Formoso.
*Anna Ree Burns; Effingham.
*Grace Frances Burns; Hiawatha.
*Marguerite Johanna Burnside; Beattie.
*Victor Ray Burwell; Rantoul.
*Marguerite Agnes Byne; Ingalls.
*Geneva Ella Codle; Sedgwick.
*Blanche Caler; Claflin.
*Elizabeth Alice Calvert; Waverly.
Arden Campbell; Emporia.
*Christine Elizabeth Campbell; Kirwin.
*Flora Alice Campbell; Kirwin.
*Winifred Nina Campbell; Minneapolis.
*Hazel Frances Cannaday; Burlington.
*Mabel Helen Carey; Downs.
*Ester Matilda Carlson; Garfield.
*Della Kathryn Carney; Burlington.
*Faith Carpenter; Jewell.
*Garnet Elizabeth Carpenter; Fredonia.
*Anna Kathryn Carroll; Elwood.
*Nora Ella Carson; White City.
Ella Rosina Carroll; Salina.
Ethel Randett Carroll; Independence.
Ralph Lealand Carroll; Earlton.
*Frances Lucretia Carter; Hutchinson.
*Myrtle Olive Carter; Howard.
*Vivian Anna Carter; Peoria.
Alma Cartmel; Emporia.
*Fern Vida Case; Alta Vista.
*Hazel Margaret Castle; Denison.
*Crystal Goldene Casto; Goff.
William Joseph Cavanaugh; Perry.
*Mary Etta Cavner; Fowler.
*Mary Isabel Cawley; Valley Falls.
*Bessie Maude Chacey; Meriden.
*Esther Lola Chambers; Lane.
*Imo Chandler; Topeka.
*Pearl Ivord Chandler; Dunlap.
*Edna Chapin; Westphalia.
William Chatterton; McPherson.
*Reba Lyola Charter; Hope.
*Mable Fern Chilcote; Fredonia.
*Lillian Lucile Church; Oketo.
*Sybil Evangeline Church; Oketo.
Albert Claude Clark; Gypsum.
*Mrs. Charlotte Clark; Topeka.
*Harriet Clark; Valley Center.
*Iva Bernice Clark; Hutchinson.
*Mamie Abbey Clark; Anthony.

COLLEGE FRESHMEN—*Continued.*

*May Rose Clark; Neodesha.
*Mina Leigh Clark; Cassoday.
*Mattie Margaret Classen; Washington.
*Ruth Kennedy Clawson; Lawrence.
*Florence Elizabeth Claxton; Lawrence.
*Laura Mae Clayton; Admire.
Nola Flosy Cleeton; Emporia.
*Vera Mable Cleland; Whiting.
Alice Marie Clemens; Emporia.
*Ferol Clevenger; La Harpe.
*Letha May Clewell; Belle Plaine.
Denzel Cecil Cline; Isabel.
Ida Cochran; Hartford.
*Nellie Burton Cloud; Winfield.
*Ida May Cochran; Hartford.
*Cassie Frances Coen; St. John.
*Minnie Meta Coerber; Deerfield.
*Katherine Coffman; Scranton.
*Frances May Coghlan; Chapman.
*Mary Vernal Cole; Humboldt.
*Florence Elmina Coleman; Goddard.
*Inez Coleman; Bonner Springs.
Margaret Collins; Hartford.
*Esther Marie Collina; Leavenworth.
Edgar Stevens Colvin; Hamilton.
*Bedia A. Combs; Hugoton.
*Buena Cook; Barnard.
*Mabel Camille Combs; Howard.
*Grace Constable; Minneapolis.
*Ruth Alice Cook; Beloit.
Anna Naomi Cooper; Emporia.
*Avis Marguerite Cooper; Delphos.
*Iola Maggie Cooper; Garnett.
*Lora Belle Cooper; Garnett.
*Ora Pearl Cooper; Delia.
Gretta Louise Copeland; Severy.
*Nellie Marie Correll; Rosalia.
*Marie Ida Cosby; Nortonville.
*Mary Irene Cottrill; Severy.
*Mary Evelyn Cougher; Piedmont.
*Ruth Annabell Cougher; Piedmont.
*Juanita Rae Counsell; Garden City.
*Maggie Irene Countryman; Kinsley.
*Jessie Belle Cowan; Yates Center.
*Esther Evelyn Cowdrey; Maplehill.
Martha Dixon Cowie; Kanopolis.
*Clara Elizabeth Cox; Emporia.
*Irene Nellie Cox; Tonganoxie.
*Lillie Emma Cox; Greenleaf.
*Mary Louise Cox; Downs.
*Opal Lucille Craig; Caldwell.
*Sara Dee Craig; Melvern.
*Minnie Ellen Crites; Glen Elder.
Guy Payne Cross; Reading.
*Osa Byers Crosswhite; Parker.
*Wayne Crouse; Wellington.
*Cleo Fave Crum; Sedgwick.
Mabel Pauline Crump; Benton.
*Beatrice Geneva Cubbison; Bronson.
*Dorothy June Cummings; Iola.
*Hazel Ann Cunningham; Cheney.
*Oddie Alma Cunningham; Bucklin.
*Denca Maurine Curd; Lawrence.
*Agnes Mary Curran; Everest.
*Grace Katherine Curran; Everest.
*Esther Mrytle Curtis; St. John.
*Martha Cushman; Kirwin.
Ora Christina Dabney; Damar.
Howard Edward Dall; Burlington.
*Gladys Pauline Dallas; Harveyville.
Alan Dalton; Virgil.
*Mary Josephine Daly; Chapman.
*Anna Laura Dangerfield; Topeka.
*Ruth Virginia Carby; Guymon, Okla.
*Gladys Viola Cannar; Cunningham.
*Laura Mary Darr; Plymouth.
Cyril John Dauner, Emporia.
*Ella Anne Davies; Frankfort.
*Esther Charity Davies; Frankfort.
*Alma Elizabeth Davis; Tonganoxie.
*Beatrice Davis; Burrton.
*Belle Davis; Bronson.
*Clara Lillian Davis; Baldwin.
Donald Reuben Davis; Dodge City.
*Esther Belle Davis; White Water.
*Lavera Florine Davis; Milan.
*Lola Belle Davis; Burlington.
*Nan Elizabeth Davis; Abilene.
*Neta Bernice Davis; Bronson.
*Opal Estella Davis; Williamsburg.
*Hazel Cathrine Dawson; Paxico.
*Verna Mabel Dawson; Ford.
Winifred Dawson; Emporia.
*Glenn Day; Selma.
*Margaret Day; Eskridge.
Nell Decker; Oskaloosa.
*Florence Edith Deeble; Lucas.
*Flora Myrtle Deering; Chase.
*Jessie Marie De Huff; Mankato.
*Ethyl Hildred Dempsey; Mankato.
Grace Rosalie Derby; Lawrence.
*Dorothy Mourine Deshler; Olathe.
*Iva May Deskins; Spring Hill.
*Louise Inez DeTar; Wellsville.
*Latha De Weese; Rago.
*Maude Marena DeWitt; Severy.
*Neva Nell Dey; Newton.
*Irene Leona Diana; Osage City.
*Amanda Anna Dikeman; Preston.
*Annabel Mary Dilley; Beattie.
Franklin Lewis Dillon; Emporia.
*Ruby Margaret Dillon; Hope.
*Margaret Ellen Dison; Kiowa.
*Mabel Elizabeth Donham; Caldwell.
*Winifred Donnelly; Leavenworth.
*Gladys Mary Donovan; Gardner.
*Mary Doty; Lebo.
*Jessie Ward Dover; Vermillion.
*Helen Mae Dowell; Hamlin.
*Margaret Elanore Dowell; Hamlin
*Ruby Mae Doyle; Garden Plain.
*Rebecca Eliza Drake; Piedmont.
*Leona Emilie Dreyer; Turner.
Edna Louisa Drury; Utopia.
Maidia Dryden; Hoisington.
*Joe Warren Duer; Zeneth.
*Myrtle Carrie Duer; Zenith.
*Orval Duer; Zenith.
*Letha Irene Duffield; Ocheltree.
*Nellie Rose Duggins; Olathe.
*Mrs. Zelda Dulebolm; Emporia.
Esther Mae Dumond; Yates Center.
*Gladys Leona Duncan; Columbus.
Hildred Joyce Dungan; Sedan.
*Idylene Dungan; Moline.
*Sarah Martha Dunn; Abbyville.
*Wilbert Dunn; Abbyville.
*Florence Vashti Dunshee; Derby.
*Helen Felicia Durhan; Toronto.
*Mary Wilhelmena Dusch; Hanover.
*Marie Marguerite Dwyer; Edgerton.
*Hazel Rae Dyer; Burden.
*Esther Eales; Hutchinson.
*Mattie Eugenia Early; Valley Falls.
*Mary Euphemia Easterly; Downs.
*Elizabeth Eastman; Grenola.
*Nellie Eastman; Emporia.
*Mary Alice Eatinger; Raymond.
*Leona Carolyn Eberwein; Lawrence.
Mabel Fern Ecclefield; Welda.
Lee Eck; Mulvane.
Arthur Dixon Edgerton; Humboldt.
*Creigh; Edmiston; Benton.
*Katherine Elizabeth Edwards; Emporia.
*Mabel Jim Edwards; Hamilton.
*Viola Fern Edwards; Hamilton.
Elmer Clarence Eflin; Moran.
*Ruth Ester Egbert; Cimarron.

COLLEGE FRESHMEN—*Continued.*

*Carrie Susan Ehling; Abbyville.
*Allie Elizabeth Elder; Linwood.
*Marian Augusta Eldridge; Ottawa.
*Agness Houston Elgin; Hazelton.
*Addie Belle Elliott; Fredonia.
Irene Elliott; Pratt.
*Laura Scott Elliott; Garnett.
*Madge Gwendolyn Elliott; Meade.
*Fred Vance Ellis; Douglass.
*Ruth Adaline Ellsworth; Formoso.
*Edna Maye Elniff; Jamestown.
*Bessie Emmons; Washington.
*Maude Emmons; Washington.
*Anna Louise Endter; Alma.
*Dora Elizabeth Engle; Concordia.
*Ruth Afton Engle; Concordia.
*Alice Josephine Englun; Falun.
Dale Raymond Ernest; Americus.
*Glenora Errett; Edgerton.
*Clara Pearl Estee; Circleville.
*Frances Alma Evans; Wamego.
*Laura Irena Evans; Burden.
*Mary Alice Evans; Topeka.
*Mrs. Susan Evans; Alden.
*Iris Augusta Ewing; Manhattan.
*Ella Frances Failer; Delia.
*Glenn Henry Faubion; Hoxie.
*Blanche Ellen Fauerbach; Maplehill.
*Mabel Marie Baulkner; Cheney.
*Alta May Fearey; Anness.
*Ruth Theresa Fee; Meade.
*Hope Edna Feller; Mulvane.
*Ruby Madlyn Fenimore; Iola.
James J. Fenton; Emporia.
*Erna Loraine Fesler; Arkansas City.
*Edith Myrtle Figley; Goff.
*Violet Ruth Finley; Bigelow.
Solomon McConnon Finney; Emporia.
*Stella Marie Finney; Niotaze.
*Gladys Eula Fiscus; Severy.
*Lelah Eleanor Fisher.
*Mary Frances Fitzgerald; Beattie.
Rexford Fleever; Newton.
*Esther Marian Fleming; Summerfield.
*Veda Leone Fleming; Galva.
*Veila Mae Fleming; Lyndon.
Thomas Jefferson Fleming; Emporia.
*Mary Helen Fletcher; Hutchinson.
*Rose Silkett Florea; Downs.
*Edna Freda Flueler; Elmdale.
*Imogene Jeannette Foltz; Hoyt.
*Alma Vernea Foote; Hutchinson.
*Emma Elizabeth Foote; Hutchinson.
*Winifred Elizabeth Foote; Spring Hill.
*Ruth Jane Ford; Leavenworth.
*Lucy Rebecca Forker; Haven.
*Lillian Mildred Forsgen; Clay Center.
*Kathleen Jane Forsyth; Osage City.
*Minnie Minerva Fosdick; Miltonvale.
*Ruth Helen Foshay; Overbrook.
*Anna Mae Foster; Hamilton.
*Ruth Helena Foulk; Calista.
*Sadie Mourine Fowler; Kingman.
Beatrice Fox; Denver, Colo.
*Mrs. Marie Almeda Frances; Emporia.
*Hazel Mae Frank; Flush.
Lena Kathleen Fox; Olpe.
Clarence Franklin; Huron.
*Lulu Jane Frazier; Anthony.
*Olen Todd Frazier; Selma.
*Gladys Irene Freeland; Horton.
*Frances Darlene Freeman; El Dorado.
*Grace Magdolene Freeman; El Dorado.
*Hazel Del Freeman; De Soto.
*Lilah Isabella Freeman; El Dorado.
*Ruth Elizabeth Freeman; Kirwin.
*Nellie French; Emporia.
*Leah Frances Friend; Spivey.
*Roosevelt Hall Fromme; Mullinville.
*Margaret Marie Frost; Downs.
*Jennie May Fulkerson; Milton.
*Fern Helen Fulton; Mentor.
*Helen Sloop Fulton; Winchester.
*Amelia Helen Funke; Burns.
*Joseph James Gagnebin; Abbyville.
*Leona Susan Galutis; Osage City.
*Goldie Matilda Gamble; Montezuma.
*Erma Sarah Gardner; Hartford.
Mary Gardner; Eureka.
*Birdie Elva Garrison; Anthony.
*Josephine May Garrison; Eureka.
Carl Howard Garth; Emporia.
*Kate Julia Garvey; Le Roy.
Perry Gasaway; Emporia.
Vergil Francis Gasper; Wellington.
*Evelyn Ruth Gaston; Wakefield.
Carl Gault; Greensburg.
*Tressie Luella Gaston; Glen Elder.
*Nellie Gates; Anthony.
Beulah Whitely Gault; Abilene.
*Anna Marie Gaudin; Olathe.
*Theresa Margaret Gaza; Esbon.
Gertrude Mary Geesling; Turon.
*Bessie Ellen Geffert; Greenleaf.
Dwight William Gerhing; Emporia.
*Eva Pearl George; Neodesha.
*Jessie Edna George; Nashville.
*Ruth Olive George; Neodesha.
*Elizabeth Marcella Geraghty; Reading.
*Lucy Anna Geraghty; Reading.
Floyd Gerady; Americus.
*Lucile Jennie Gibb; Elmdale.
*Inez Ethel Giffin; Plains.
*Margaret Amelia Gifford; Jamestown.
*Elva Bernice Giger; Allen.
*Eva May Giger; Winfield.
*Lois Naomi Gilbert; Liberal.
*Nada Belle Gilbert; Wichita.
*Hazel Mae Giles; Beattie.
*Edna Alma Gill; Sylvia.
*Mildred Ann Gillespie; Harper.
*Lillian Beatrice Gilson; Leon.
Letia Gipson; Kansas City, Kan.
*Elma Anne Girard; Morganville.
Noel Pitts Gist; Emporia.
Clarence Gladfelter; Emporia.
*Lucile Thelma Glasco; Howard.
*Velma Mildred Glasscock; Parkerville.
*Carrie Mae Glenn; Hill City.
*Asrid Alene Glidden; Homewood.
Alice Godsey; Emporia.
Grace Margaret Godsey; Emporia.
*Hester Yoder Goldsmith; Cheney.
*Vernon Woodrow Goldsmith; Lyndon.
*Pearl Elaine Gonder; Turon.
*Grace Lillian Goodin; Derby.
*Olive Delphine Gore; El Dorado.
*Mary Teresa Gorman; Hartford.
*Anna Susanna Graber; Sylvia.
*Elsie Grace Graber; Moundridge.
*Terry Barbara Graber; Moundridge.
*Inah May Graham; Howard.
*Mildred Carolyn Granstrom; Osage City.
*Amy Carolyn Grant; Concordia.
*Gladys Evelyn Grant; Emporia.
*Mabel Isla Grant; Neodesha.
Pansy Ura Grant; Topeka.
*Violet Jane Grasty; Blue Mound.
*Ferne Amanda Graves; Harper.
*Fannie May Gray; Moscow.
*Ina Amelia Gray; St. John.
*Iva Mary Gray; St. John.
*Leona Virginia Gray; Iola.
*Nannie Emma Greeley; Nortonville.
*Iva Blanche Green; Jamestown.
*Cora Lona Green; Solomon.

COLLEGE FRESHMEN—*Continued.*

*Hazel Dell Green; Spring Hill.
Ida Mary Green; Redfield.
May Elizabeth Green; Hutchinson.
*Lola Marie Greenup; Valley Center.
*Gladys Mae Gregg; Little River.
*Murile Gregory; Alton.
*Fay Irene Griffin; Circleville, Okla.
*Mary Margaret Griffis; Baldwin City.
*Virginia Mae Griffes; Bigelow.
*Jean Beatrice Griffith; Westphalia.
*Kathryn Eliza Grim; Olathe.
*Vida Kathlyn Grimsley; Iola.
*Wauneta Nellie Grimsley; Allen.
*Belma Florence Grow; La Harpe.
*Verna Eleanor Gunnerson; Assaria.
Hilda Gustafson; Bloom.
*Ida Belle Gutman; Hamilton.
*Esther Marie Haas; Allen.
Elizabeth Habecker; Enterprise.
Theresa Haack; Florence.
*Lydia Opal Hackler; Chanute.
*Mrs. Mary Grace Haffa; Emporia.
*Ruby Belle Hagler; Salina.
*Lefa Mae Haile; Haviland.
Carrie Hall; Minneola.
*Helen Marie Hall; Neodesha.
*Sarah Charlotte Haller; Admire.
*Hazel Blanche Hamilton; Walnut.
*Helen Electa Hamilton; Cassoday.
*Wm. Harold Hamilton; Geneseo.
Kenneth Daniel Hamer; Hamilton.
Madge Hamilton; Little River.
Roberta Hamlin; Emporia.
*Eunice Lucile Hamm; Grantville.
*Hazel Etta Hammond; Courtland.
*Lydia Hannah Hammond; Courtland.
*Mildred Hammer; Effingham.
Faye Alice Hancock; Toronto.
*Doris Luella Handy; Milton.
*Francis Wesley Hane; Lincolnville.
*Edith Lorraine Hanna; Winfield.
*Mabel Itilene Hansen; Turon.
*Myrtle Virginia Hanson; Assaria.
Laurenia Harder; Dunlap.
Ruth Murill Hardy; Blue Mound.
*Fannie Katherine Harland; Frankfort.
*Lois Laverne Harper; Ponca City, Okla.
*Marguerite Velma Harper;
Ponca City, Okla.
*Wilma Loree Harrison; Bern.
*Pauline Clare Hartenbower; Udall.
*Susie Cheatom Hartman; Fort Scott.
*Frances Cameron Harvey; Osawatomie.
*Margaret Elizabeth Harvey; Osawatomie.
*Wilma Ireen Hase; Michigan Valley.
*Eunice Dee Hashbang; Kincaid.
*Marie Hassler; Enterprise.
*Gladys Hatfield; Belle Plaine.
*Esther Viola Hauke; Meriden.
*Erma Hawk; Effingham.
*Stanley William Hawk; Beattie.
*Emma Isadore Hawks; Eskridge.
James Clyde Hawkins; Emporia.
Willard Lloyd Hawkins; Emporia.
*Charles Lester Hawley; Mont Ida.
*Carol Fern Haworth; Atlanta.
*Lydia A. Haworth; Americus.
*Nina Carma Haws; McPherson.
Harold Hayden; Elmdale.
*Marguerite Haynes; Sterling.
*Celia Hazel; Meade.
*Grace Lee Headrick; Liberal.
*Thelma Jane Heaton; Atchison.
*Feroll Hedges; Galena.
Vesta Hefner; Yates Center.
*Hulda Christine Hege; Sedgwick.
*Edith Estella Heinly; Little River.
*Nina A. Heller; Lincoln.
*Eulalis Myrtle Heltzel; Glen Elder.
*Mary Elizabeth Hemmant; Saffordville.
*Alice Alberta Hemphill; Broughton.
*Bertha Valera Henderson; Neosho Falls.
*Robert Leroy Henderson; Admire.
*Helen Louise Hendricks; Climax.
*Mary Kathereen Henry; Nortonville.
*Maxine Henry; Leavenworth.
Gladys Victoria Herman; Assaria.
*Adele Heron; Burns.
*Gladys Isabella Herschell; Topeka.
Monroe Herschell; Topeka.
*Viola Ferne Herron; Quenemo.
*Elizabeth May Hertlein; Wilsey.
*Margaret Heshion; Downs.
*Esther Marie Hesp; Mont Ida.
*Helen Irene Hesser; Alta Vista.
*Kathryn Miller Hetherington; Emporia.
*Kathryn Hettick; Williamsburg.
*Mabel Hevener; Harris.
Amos Allen Hiatt; Lafontaine.
*Lola Mae Hiatt; Munden.
Lola Anna Hickman; Mildred.
*Blanche Marie Hicks; Ottawa.
*Hazel Lois Heironymus; Admire.
*Elsie Lucille Higdon; Potwin.
*Leta Mae Higdon; Richmond.
*Dollie May Higgons; Ottawa.
*Mildred Elizabeth Higgins; Iola.
*Adele Elizabeth Hill; Chapman.
Alice Elizabeth Hill; Fulton.
*Olive Zella Hill; Fowler.
*Pearl Augusta Hill; Burlington.
*Golda Malone Hiller; Lewis.
*Veda Ellen Hiller; Lewis.
*Essie Manila Hillman; Hamilton.
Eulah May Hex; Wichita.
*Lona Valentine Hilyard; Reece.
*Lola Irene Hilpolite; Jewell.
*Buelah Alida Hittle; Mayetta.
*Alma Addelene Hoadley; Cimarron.
Vera Marion Hoatson; Emporia.
*Carrie Mae Hobson; Richmond.
*Helen Georgia Hobson; Kingman.
*Pauline Jane Hobson; Kingman.
Elmer Essley Hodges; Marysville.
*Fern Elizabeth Hogan; Madison.
*Ralph Waldo Hogan; Madison.
*Esther Lolita Lohcomb; Bucyrus.
*Florence Ethlyn Holcomb; Bucyrus.
*Lucile Holcomb; Topeka.
Sara Isabel Holder; Norwich.
Earl Scott Holderman; Quincy.
*Willa Harriett Holland; Macksville.
Albert Maynard Holm; Newton.
*Bessie Bernice Holm; Goddard.
*Olga Matilda Holm; White City.
Della Holman; White City.
Harold Bryon; Clement.
*Helen Elizabeth Hood; Madison.
George Holtfrerich; Dodge City.
*Ruth Cristobel Hope; Topeka.
*Mary Evelyn Hoppe; Goddard.
*Ruth Hoskins; Fowler.
Elizabeth Virginia Hostlick; Lebo.
*Essie Mary Hosman; Potwin.
Carol Houlton; Florence.
Dan Warren Houser; Howard.
Alta Ora Houston; Potwin.
*Josephine Howard; Newton.
Lawrence Howard; Emporia.
*Iola Bernice Howe; Belleville.
*Elizabeth Viola Hudson; Garfield.
*Leona Maurine Hudson; Kingman.
*Laura Matilda Huff; Byers.
*Helen Maude Hughes; Downs.
*Leona Ida Hughes; Carbondale.

COLLEGE FRESHMEN—*Continued.*

*Helen Willard Hull; Jewell.
*Ruth Maude Huls; Greensburg.
*Carrie Mae Hunsinger; Lawrence.
*Iva Burrows Hunt; Burlington.
*Leta Lorena Hunt; Barclay.
Virgil Lyle Hunt; Galva.
Zelma Hunt; Halstead.
*Martha Elizabeth Hunter; Rock Creek.
*Margaret Hupp; Overbrook.
*Ruth Elizabeth Hutchinson; Circleville.
*Mabel Alice Hutchison; Jewell.
*Ozeta Alice Hutchison; Canton.
*William Anderson Hutchison; Scranton.
*Clara Lee Hutson; Cambridge.
*Leone Hyle; Saffordville.
*Mary Frances Inman; La Jara, Colo.
*Freda Margaret Ivey; Downs.
*Bernice Georgia Issitt; Navarre.
*Hazel Grace Issitt; Navarre.
Lycia Jackson; Eureka Springs, Ark.
*Mabel Anna Jacobson; Sedgwick.
Floyd Nolan Jacoby; Reading.
*Gladys Merle Jacques; Valley Center.
*Marion Ethel Jacques; Valley Center.
*Rae Effie Jacques; Valley Center.
*Prudence Elizabeth James; Deerfield.
*Laurel Irene Jarrett; Wathena.
Willie Jefferson; Kansas City, Kan.
Mona Beatrice Jenkins; Seneca.
*Beatrice Ellise Jennings; Hunnewell.
*Ethel Naomi Jennings; Hunnewell.
*Julia Aurelia Jennings; Little River.
Katherine Louise Jensen; Emporia.
Marn Marie Jensen; Emporia.
*Waneta Delane Jester; El Dorado.
*Bernice Lake Johnson; Simpson.
*Claude Melvin Johnson; Emporia.
*Dema Carolyn Johnson; Paola.
*Edith Fae Johnson; Tampa.
*Forest Harm Johnson; Douglass.
*Franc Marie Johnson; Wamego.
*Hazel Pearl Johnson; Niotaze.
*Laura Elva Johnson; Humboldt.
Lillian Josephine Johnson; Humboldt.
*Nellie Eunice Johnson; Jamestown.
*Ruth Marie Johnson; Linn.
*Vera Estella Johnson; Wilsey.
Jean Johnston; Madison.
*Chancie Jones; Burlington.
Gerald Wm. Jones; Emporia.
*Geneva Jones; Elwood.
*Luella Frances Jones; Sedgwick.
*Lillian Victoria Jones; Burrton.
*Mable Onida Jones; Kincaid.
*Marjorie Gertrude Jones; Reading.
*Nellie Juaneta Jones; Cawker City.
*Ola Josephine Jones; Cherokee, Okla.
*Opal Olga Jones; Emporia.
*Velva Jemima Jones; Atlanta.
*Vera Elizabeth Jones; Osage City.
*Margaret Mary Joyce; Denton.
Neva Justis; Kiowa.
*Josephine Marie Kaulew; Wathena.
*Katherine Margaret Kaup; Downs.
*Olive Pearl Kerns; Downs.
John Kell; Emporia.
*Marion Amelia Keller; Le Roy.
*Mildred Fern Kelley; Raymond.
*Anna Kelliher; Esbon.
*Mildred Breckenridge Kellogg; Stanley.
*Bessie Irene Kellum; St. Francis.
*Faye Kelsheimer; Elbing.
*Ruth Kemp; Barnes.
*Mae Lenore Kemper; Alma.
*Cleo Jane Kempton; Burden.
*Elma Arlene Kendall; Parkerville.
Harold Leslie Kendig; Emporia.
*Bernice Fern Kennedy; Rock.
*Mabel Rose Kennedy; Stockdale.
Marion Kennedy; Rock.
*Ruth Elizabeth Kennedy; Stockdale.
*Thelma Ione Kennedy; Rosedale.
*Ethel Gladys Kenton; Haddam.
*Florence June Kenton; Bonner Springs.
*Lola Philena Kenton; Bonner Springs.
*Beulah Mae Kenyon; Augusta.
*Mary Magdaline Kesinger; Greensburg.
*Esther Anna Kietzmann; Alta Vista.
*Helen Lucile Kimball; Centralia.
Florence Hannah Kimble; Mulvane.
*Jessie Edington King; Minneola.
*Lois Evelyn King; Delphos.
*Helen La Reine Kinney; Carbondale.
*Hazel Katherine Kinzie; Hiawatha.
*Donald Emory Kirby; Tonganoxie.
*Ida Estella Kirby; Tonganoxie.
*Mildred Fern Kirkham; Lebo.
*Nelle Myrtle Kirkpatrick; Eureka.
Mary Elizabeth Kitchen; Emporia.
*Bertha Elda Klemm; Emporia.
*Sarah Kliewer; White Water.
*Gladys Wilma Klocke; Leonardville.
Isabel Kanus; McPherson.
*Ethel Onita Knight; Bucyrus.
Edith Martha Knox; Hilltop.
Alfred Brunner Kock; Burlington.
*Lydia Emma Koehler; Eudora.
*Theodore Wilhelmina Koehler; Salina.
*Mrs. R. H. Koepke; Woodbine.
*Clara Minnie Korb; Douglass.
*Florence Mildred Kramer; North Branch.
Gertrude Augusta Kruger; Wamego.
*Olympia Ethel Kubik; Caldwell.
*Verna Susan Kuebler; Pomona.
*Eva Elmena Kuhns; Columbus.
*Mrs. Bertie Kunz; Emporia.
*Ina Mae Kutz; Iuka.
*Nellie Evangeline La Bunker; Leavenworth.
Harold Julius Laird; Emporia.
*Lucille Nelle Laird; Emporia.
*Roberta Lake; Eskridge.
*Doris Lucille Lamont; Turon.
*Mary Irene Landon; Vinland.
*Iona Pauline Lange; Garfield.
*Ida Langenegger; Elbing.
*Edna Lanagan; Burlington.
*Henrietta Iola Lantis; Kingman.
*Golda Iona Lantow; Lyons.
*Blanche Mae La Plant; Bazaar.
*Esther Alice La Plant; Bazaar.
*Mildred Pauline LaRosh; Spring Hill.
*Anna Margaret Larson; Bloom.
*Esther Isabel Larson; Marquette.
*Ida Sophie Larson; Horton.
*Lela May LaRue; Hamilton.
*Ellen Faye Latta; Norwich.
*Meryle Lattimore; Wamego.
*Vera Margaret Laverty; White City.
*Tessie Lawless; St. Francis.
*Clara Lucille Lawrence; Bazaar.
*Elsie Mae Lawrence; Plymouth.
*Frieda Hazel Laurence; Nashville.
*Ruth Azealea Lawton; St. John.
*Mollie Amy Layton; Le Roy.
*Esther Marie Leddy; Conway Springs.
*Anna Julia Lee; Washington.
*Mary Marie Lee; Gardner.
*Mildred Rogene Leidy; Leon.
*Hazel Fern LeMaster; Ottawa.
*Angela Regina Leonard; Wamego.
Gertrude Estella Leonard; Alma.
*Eula Alden Leslie; Ashland.
*Hettie Ailene Leslie; Beloit.
*Nettie Irene Leslie; Beloit.

COLLEGE FRESHMEN—*Continued.*

Bessie Louise Lewis; Hill City.
Daniel Webster Lewis; Wichita.
*Flossie Mae Lewis; Belleville.
*Gladys Lucile Lichty; Jewell.
*Thelma Margaret Lichty; Morrill.
*Lena Elizabeth Lidikay; Wellsville.
*Effie Anna Lindley; Winfield.
Mabel Eilene Lindblad; Assaria.
*Mary Ethelyn Lindsay; Perry.
Edith Inez Lindley; Leon.
Margaret Wilma Lindley; Leon.
Mary Esther Lindsay; Perry.
*Sara Maude Lingo; Wilson.
*Tessie Elizabeth Litchfield; Plevna.
Wilma Lloyd; Emporia.
*Louise Wilhelmina Loesch; Raymond.
*Helen Elizabeth Logan; Iola.
George Jennings Lomax; Emporia.
*Helen Irene Lohmiller; Salina.
*Almeda Ora Long; Hoyt.
*Daisy Evelyn Long, Kansas City, Kan.
*Maude Leora Loomis; Garden Plain.
*Ruth Elizabeth Lorimar; Sterling.
*Anna Julia Lorson; Dillon.
Dorothy Loveless; Marion.
*Susie Lowman; Lawrence.
*Vera Alda Lozuaway; Havensville.
*Hazel Helen Lidwickson; Severy.
*Esther Ella Luedeman; Hope.
*Blanche Vera Lunt; Pratt.
*Elizabeth Ann Lupton; Conway Springs.
Vernae Merle Lupton; Conway Springs.
*Edyth Opal Lyman; Moline.
*Irene Margaret Lynch; Neosho Rapids.
*Ruby Fern Lynn; Lane.
*Eleanor Elizabeth Lyon; Hutchinson.
*Mabel Elizabeth Lyon; Lincoln.
*Tonny Jones Lyons; Lyndon.
*Hattie Lelola McAllister; Holton.
*Lillian Arvilla McAllister; Spivey.
*Marjorie Mrytle McBride; Jamestown.
*Mary Frances McBride; Emporia.
*Dorothy Lillian McCabe; Burlington.
*Mary Lucile McCabe; Sedgwick.
Lela Estella McCarter; Emporia.
Vena Pearl McCarten; Lewis.
*Sadie Mae McCauley; Vassar.
*Amelia Florence McClanahan; Lewis.
*Lois Lenore McCloud; Madison.
Joseph Jefferson McClure; Emporia.
*Ethel Mae McCluskey; Severy.
*Laura Ruth McCollum; Saline.
*Minnie Elizabeth McCollough; Chanute.
*Maude Irene McConnell; Downs.
*Nina Seah McCorkle; Wichita.
*Alice Lynn McCormick; Elmo.
*Frances Helen McCormick; Minneapolis.
*Grace Ida McCormick; Emporia.
*Mary Edna McCormick; St. John.
*Naomi Grace McCormick; Ingalls.
Lloyd John McCracken; Augusta.
Olive Eleanor McCray; Moline.
*Jennie Esther McCulley; La Harpe.
*Sadie Margaret McCune; Leavenworth.
Dorothy Edna McDaniel; Atchison.
Esther McDaniel; Admire.
*Ethel Fern McDaniel; Homewood.
*Hazel Evangeline McDermond; Winchester.
Alice McDonald; Cherryvale.
*Wilma Hope McEntarfer; Eureka.
*Helen Elizabeth McFerren; Pomona.
*Alta May McGinnis; La Harpe.
*Vera Buelah McGregor; Courtland.
*Elam Lorraine McGuire; Bronson.
*Dorothy Marcea MacIver; Abbyville.
*Flora Vivian McIuer; Abbyville.
*Helen Bernice McIver; Abbyville.
*Alida McKay; Thayer.
*Mary Matilda McKee; Culver.
*Mary Virginia McKee; Caney.
*Minnie Viola McKee; Caney.
*Helen McKenney; Jewell.
*Hazel May McKibben; Preston.
*Sarah Ruth McKibben; Iuka.
*Fleta Edward McKinney; Council Grove.
*Isla Mildred McKinsey; Bushong.
*George McLawin; Rentiesville, Okla.
*Muriel May McLeod; Edgerton.
*Daisy McMillan; Kansas City, Kan.
*Inez Myrtle McMillen; Oakhill.
*Naomi Nellie McNeal; Howard.
*Lenora Madge McPeek; Cunningham.
Alvena Margaret Mabes; Paola.
Mabel Irene Machmer; Chapman.
*Mary Agnes Magrath; Harris.
*Janette Isabell Mahar; Emporia.
*Olga Milanna Maill; Elmo.
*Emma Carolyn Mall; Broughton.
Sylvia Lola Manley; Kansas City, Kan.
Harold Albert Manly; Diamond Springs.
*Eldora Louise Mann; Hiawatha.
*Henrietta Elma Mann; Moline.
*Roberta Louise Mann; Blue Rapids.
*Ruth Manning; Mount Hope.
*Emma Mae Manjeot; Spivey.
*Floyd Raymond Manwarren; Lyons.
*Helen Louise Markham; Coldwater.
*Mabel Thankful Markham; Coldwater.
*Bertha Aretta Markley; La Harpe.
*Mary Elizabeth Markley; Atlanta.
*Lola Belle Marrs; Hutchinson.
*Cora Ethel Marsh; Bushong.
*Cora Ethel Marsh; Bushong.
Mary Cassaday Marsh; Valley Falls.
*Alice Martin; Adams.
*Lois Winifred Martin; Hutchinson.
Lulu Zoah Martin; Emporia.
*Luella Ethel Martin; Pendennis.
*Margaret Martin; Adams.
*Reva Evelyn Mason; Lincoln.
*Gedeon William Mattingly; Osawatomie.
*Helen Elizabeth Mattingly; Osawatomie.
*Selma Elvena Mattson; Inman.
*Pearl Marie Mans; Auburn.
Octavia Irene Maxey; Hiawatha.
Lucile Christiana Maxwell; Americus.
*Geraldine Rae Mayo; Cottonwood Falls.
*Mrs. Florence Adelia Mead; Dexter.
*Helen Antoinette Mears; Beloit.
Mary Enid Meek; Emporia.
*Fred William Meier; Rush Center.
*Agnes Thelma Meinzer; Winfield.
*Edna Belle Merriman; Smith Center.
*Joe Crawford Mettlen; Brownell.
*Emma Marie Metz; Abilene.
*Edna Pearl Meyer; Eudora.
*Minnie Josephine Meyer; Hiawatha.
*Emma Kethryn Meyers; Alta Vista.
*Nilda Louise Meyers; Alta Vista.
*Helen Marie Michener; Wichita.
*Edna Miles; Lenexa.
Blanche Faye Miller; Lebo.
*Ethel Lillian Miller; Eudora.
*Ethel Viola Miller; El Dorado.
*Eva Maye Miller; Le Roy.
*Glady Hazel Miller; Norwich.
*Hazel Elenore Miller; Galva.
*Jessie Bernice Miller; Ingalls.
*Montana Miller; St. John.
*Pearl May Miller; Garden City.
*Trinnie May Miller; Le Roy.
*Ida Dell Mills; Tyro.
*Josephine Thelma Mills; Minneola.
Dorothy Elizabeth Mirth; Emporia.
*Alma Estelle Mitchell; Virgil.
*Nell Mildred Moffett; Jamestown.

COLLEGE FRESHMEN—*Continued.*

*Frieda Elizabeth; Almo.
*Elsie May Montgomery; Harper.
*Mary Hazel Moon; Junction City.
*Frances Aleatha Moore; Louisburg.
*Merle Lola Moore; Gardner.
*Opal Gladys Moore; Bronson.
*Opal Joy Moore; Derby.
*Juaneta Mary Morain; Minneola.
*Leslie Mary Morgan; Emporia.
*Thelma Phyllis; Wathena.
Alice Mary Morris; Emporia.
*Lottie Carle Morris; Minneapolis.
*Nora May Morris; Plains.
Theodore Alice Morse; Emporia.
Mary Christine Mort; Emporia.
*Celia Esther Moser; Hiawatha.
*Ruth Alice Mosley; Le Roy.
Alpha Mourning; Kansas City, Kan.
*Bernadine Marie Muckenthaler; Paxico.
*Ruth Ellen Mudge; Gridley.
*Christine Ruth Mueller; St. John.
*Maude Frances Mueller; Sawyer.
*Martha Mugler; McPherson.
*Elsie Anna Muhlert; Colony.
*Little Margaret Muir; Hartford.
*Mary Elizabeth Mull; Gardner.
*Bernice Mummey; Hamilton.
*Bonnie Waneta Murphy; Montezuma.
*Hazel Mae Murphy; Pretty Prairie.
*Helen Mildred Murphy; Edgerton.
*Mildred Lula Murphy; Pretty Prairie.
*Clara Belle Murray; Colony.
*Josephine Anna Murray; Iola.
Mamie Bennett Myer; Ponca City, Okla.
*Lester Ailiff Myers; Windom.
*Theresa Evelyn Myers; Windom.
*Marie Emma Nanninga; Leonardville.
*Hazel Nash; Topeka.
*Gertrude Isabel Neibling; Holton.
*Margie Rena Neighbor; El Dorado.
*Katie Belle Neil; Sabetha.
*Mabel Eloise Neill; Miltonvale.
*Bernice Marie Neman; Topeka.
*Marie Sophia Neis; Hope.
Alice Evangeline Nelson; White City.
*Anna Adelia Nelson; Falun.
*Cecyl Gladys Nelson; Cedar Vale.
*Juanita Alma Nelson; Mulvane.
*Merle May Nelson; Jamestown.
*Minnie Sophia Nelson; Newton.
*Myrtle Olive Nelson; Falun.
*Anna Mae Nethouer; Lost Springs.
*Rose Maye Neuenschwander; Madison.
*Katherine Ratzlaff Neufeld; Burrton.
*Martha Leora Nevins; Spring Hill.
*Esther Belle Nevitt; Saffordville.
*Lucille Mae Newby; Argonia.
*Edna Viola Newlon; Colony.
Carloine Annette Newman; Virgil.
*Ada Helen Nichols; Lucas.
Ira Leslie Nichols; Kincaid.
*Mrs. Jeanette Nichols; Wichita.
*Myrtle D. Nichols; Kincaid.
*Myrtle Blanche Nicholson; Maize.
*Edna Wilma Nickoley; Dwight.
*Julia Nielsen; Allen.
*Mary Anne Norris; Lawrence.
*Edna Florence North; Bazaar.
*Eva Eola North; Burns.
*Rhea Lydia North; Salina.
*Thelma Elizabeth Northcutt; Salina.
*Lucile Marguerite Northup; Greensburg.
*Hazel Verna Norton; Cawker City.
*Jessie Oretta Norton; Cawker City.
Daniel Clair Nufer; Florence.
*Crystal Loree Nusbaum; Bern.
*Mabel Mignonne Muzman; Soldier.
*Irene Evangeline Oakley; Topeka.
*Lillian Mae Oakley; Parker.
*Tillie Rose Oberle; Carbondale.
*Inez Anna O'Brien; Tescott.
*Isa Louise O'Brien; Tescott.
*Geneva O'Conner; Emporia.
Rosedell Bell Ogden; Coffeyville.
*Mary Oldbury; Leon.
Florence Margaret Oliver; Burlingame.
*John Milton Oliver; Beloit.
*Emma Kathryn Olson; Lawrence.
*Hattie May Oplinger; Jewell.
*Anna Esther Orr; Winchester.
*Bertha Evangeline Orr; Fall River.
*Verna Zula Orr; Fall River.
*Besse Lillian Osborne; Meade.
*Florence Elizabeth Osborn; Corwin.
Fred Osborn; Quincy.
*Kathryn Osborn; Clifton.
*Mabel Mary Osborne; Courtland.
*Velma Lucille Ott; Hamilton.
*Kathryn Mary Ott; St. Marys.
*Oscar J. Owen; Elk City.
*Zetha Marie Owen; Wichita.
*Gertrude Elizabeth Owens; Clifton.
*Elizabeth Mina Padgett; Fowler.
*Lucy Elizabeth Page; Neodesha.
*Florence Olive Palm; Vliets.
*Elizabeth Viola Palmatier; Abbyville.
*Pearl Carolyn Pantle; Emporia.
*Luella Bernice Parker; Corwin.
*Bessie Fern Parks; Sylvan Grove.
*Mildred Josephine Parks; Benton.
*Elsie Newell Parrish; Quenemo.
*Inez Marie Parrish; Spivey.
*Belinda Faye Parsons; ———.
*Charlotte May Parsons; Neodesha.
*Hazel Parsons; Formoso.
Ruth Patrick; Oskaloosa.
Warren Patrick; Howard.
*Delmar Glen Patterson; Dodge City.
*Edna Grace Patterson; Ford.
*Ethel Jaranita Patterson; Ford.
*Sara Almeda Patterson; Niotaze.
*Helen Margaret Paup; Wichita.
*Celia Odelia Pearson; Halstead.
*Pearl Jennie Pedigo; Shawnee.
Cynthia Ethel Payne; Howard.
Molicia Ellen Pearl; Pratt.
Harry Eugene Peach; Emporia.
*Grace Elma Perkins; Alexander.
*Onieta Lydia Perreault; Morganville.
*Agnes Josephine Peterson; Morganville.
*Hazel Ella Petersen; Garden Plain.
*Karin Elizabeth Peterson; Enterprise.
*Nellie Petford; Emporia.
*Anice Dorothy Petit; Brooksville.
Mary Dean Petty; Emporia.
*Kittie Phelps; Olathe.
*Janet Phillips; Reading.
*Pansy Edith Phillips; Welda.
*Mariam Alverta Pierce; Riley.
*Leta Beatrice Piper; Garden City.
*Helen Geneva Pitcher; Topeka.
Roxanna Plumb; Emporia.
*Albert Louis Poggeman; Summerfield.
*Ethel May Pollock; Admire.
*Gladys Janet Pollock; Admire.
*Hazel Marie Porter; Soldier.
*Lizzie Jannetta Porter; Dexter.
*Ruth Elizabeth Porter; Council Grove.
*Margaret Gertrude Pottle; Wichita.
*Mildred Elvira Pound; Glen Elder.
*Fae Edna Prentice; Lee's Summit, Mo.
Mary Olive Price; Reading.
*Radah June Price; Stilwell.
*Alberta Elizabeth Pringle; Wichita.
*Mary Alice Protzman; Paola.
*Zerelda Belle Pryor; Ingalls.

COLLEGE FRESHMEN—*Continued.*

Rose A. Ptacek; Emporia.
Ted William Ptacek; Emporia.
*Annie Forest Purvis; Carbondale.
*Mazie Elizabeth Purvis; Carbondale.
*Marguerite Blanche Race; Argonia.
*Alpha Faye Rahn; Florence.
*Lois Anne Ramsey; Burlington.
*Bessie Ruth Rankin; Idana.
*Joseph Earl Rankin; Mound City.
*Thelma Lois Ransdell; Auburn.
*Izma Ruth Ransom; Derby.
*Mary Anne Rathbone; Sedgwick.
*Wilma Mary Read; Overbrook.
*Vernia May Ready; Wellington.
*Helen Marie Reardon; Leavenworth.
*Gayle Mary Reece; Spivey.
Dorothy Reed; El Dorado.
*Edna Agnes Reed; Kingman.
Elsie May Reed; Yates Center.
*Ethel Myrtis Reed; Sabetha.
*Eulala Florence Reed; Burlington.
*Donovan William Reese; Logan.
*Anna Dorothy Regier; Moundridge.
*Gladys Arline Reichart; Arrington.
*Selma Genevieve Reilly; Leavenworth.
*Dora Fay Reiserer; Leon.
*Bessie Maude Remick; Downs.
*Laura Mae Remick; Downs.
*Tillie Nubia Render; Powhattan.
*Bernice Reproat; Morganville.
*Flora Eleanor Reynolds; Humboldt.
*Julia Virginia Reynolds; White Water.
Lois Reynolds; Mildred.
*Nellie Grace Rice; Delphos.
*Elizabeth Wanda Rich; Emporia.
Ora Everett Rich; Centerville.
*Thelma Rich; Fredonia.
*Eleanor Mary Richards; Burrton.
*Leah Lucile Richardson; Kingman.
Wilma Richardson; Lebo.
*Velma Irene Richey; Emporia.
*Mildred Rickard; Spivey.
*Grace Mary Rieger; Bonner Springs.
*Florence Opal Riggs; Soldier.
*Florence Opal Riggs; Soldier.
*Hazel Lydia Riggs; Soldier.
*Cela Loree Rindchen; Hewins.
*Sylvia Irene Rindchen; Hewins.
*Ivan Walter Robb; Neal.
*Anna Margaret Roberts; Alton.
*Jamie Edith Roberts; Nowata, Okla.
Kieth Roberts; Emporia.
Louisa Catherine Roberts; Stafford.
*Lycia Merittia Roberts; Alton.
*Marie Estella Roberts; Iola.
*Bernice L. Robinson; Nortonville.
Florence Robinson; Emporia.
*Ocie Beryl Robinson; Iola.
*Grace Elizabeth Rogison; Holton.
*Leila Irene Rogge; Muscotah.
*Marguerite Albertine Roseberry; Paola.
*Alice Jean Roos; Baker.
*Alla Magdalene Ross; Delphos.
*Edith May Ross; St. John.
Marions Elizabeth Roos; Emporia.
*Ruby Elizabeth Ross; Freeport.
*Christine Mildred Roth; Emporia.
*Neva Blanche Rothrock; Culver.
*Lillian Mae Rouse; Council Grove.
*Veldeva Grace Roy; Wilsey.
*Ruch Elsie Louise; Claflin.
George Edgar Ruggles; Altoona.
*Marie Pearl Rush; Axtell.
*Letha Lucille Ryan; Alexander.
*Margaret Ryan; Wichita.
*Martha Ilah Sackett; Washington.
*Mabel Sadler; Oneida.
*Mary Elizabeth Salmon; Fowler.
*Lilly Gay Sampson; Sedgwick.
*Josephine Amelia Samson; Valley Falls.
*Ada Fredericka Samuel; Halstead.
*Viola Verne Sanborn; Hewins.
*Mabel Sanderson; Lyndon.
Ephriam Sauder; Madison.
Mabel Margaret Sanderson; Lyndon.
*Sophia Emma Sandhagen; Haven.
*Alma Levern Sayers; Rosedale.
*Freida Minnie Schaaf; Deerfield.
*Hazel May Schasw; Satanta.
*Amelia Esther Scheidt; Bonner Springs.
Elias Eli Scheufler; Great Bend.
*Alma Marie Schierenbeck; Cheney.
*Edna Opal Schmidt; Lorraine.
*Nettie Bernice Schmidt; Canton.
*Stella Schmidt; Moundridge.
*Bertha Schnider; Emporia.
*Edyth Dorothy Schneider; Hillsboro.
*Florence Esther Schock; Morrill.
*Irma Laura Schroeder; Stafford.
*Gladys F. Schubert; Eudora.
Grace Juanita Schultz; Olathe.
*Ruby Mayree Schultz; Alta Vista.
*Beulah Grace Schur; Minneapolis.
*Carrie Christian Schur; Minneapolis.
*Mary Jane Scofield; Scranton.
*Emma Katherine Scott; Kirwin.
*Harriet Newel Scott; Kirwin.
*Hattie Lucinda Scott; Council Grove.
John Scruggs; Kincaid.
*Margaret Elizabeth Scott; Clifton.
*Ruth Emilie Scott; Kirwin.
*Winnie Scott; Kirwin.
*Georgia Ellen Seaman; Udall.
*Chester Orlando Sechrist; Meriden.
*Ida Mae Seck; Bucyrus.
*Eula Mary Secrest; Edgerton.
*Gladys Anne Sedgwick; Reading.
*Ida Mae Seip; Summerfield.
*Pansy Semick; Leon.
*Victor Esher Semisck; Keighley.
*Viola Emma Semisck; Keighley.
*Mary Geneva Servais; Lane.
*Laura Christene Severin; Axtell.
Dewey Lee Settlemeyer; Yates Center.
Esther Mary Shafer; Emporia.
*Josephine Emma Shara; Narka.
*Freda Mae Sheaffer; Dunlap.
*Helen Marie Shearer; Iola.
*Rose Etta Sheelan; Louisburg.
*Mildred Imogene Sheldon; Clay Center.
*Katheryn Mary Shelhamer; Fowler.
*Monzella Jemima Shellhorn; Leavenworth.
Edward Shelly; Kingman.
*Jennetta Frildo Shields; Lost Springs.
Aileen Emma Shearer; Emporia.
Merritt Shearer; Emporia.
*Sylvia Susan Shields; Lost Springs.
*Kittie Schmidt; Sawyer.
*Irma Ethel Shoemaker; Moran.
Oral Elmer Showmaker; Moran.
*Eva Margaret Shotton; St. John.
*Minnie Shumway; Lyons.
*Grace Lydia Shuyler; Plevna.
Vera Beth Sickler; Emporia.
Valda Grace Sigler; Norwich.
*Della Donna Silkett; Downs.
*Edna May Simmons; Emporia.
Harry Simmons; Wa Keeney.
*LaVenia Frances Simmons; Dexter.
*Grace Virginia Simpson; Anderson.
*Ethel Elizabeth Sims; Osborne.
*Mildred Lacy Singleton; Yates Center.
*Opal Anna Singleton; Toronto.
*Sister Angela Meyer; Paola.
*Sister Eulalia Dolan; Paola.
*Sister Gertrude Stoermann; Paola.
*Sister Michael Maloney; Paola.

COLLEGE FRESHMEN—*Continued.*

Gladys Marie Sitton; Wichita.
*Shirley Ione Slack; Iola.
*Gertrude Maybelle Sloan; Zenda.
*Portia Mae Sloan; Rago.
Orin Herbert Slough; Quincy.
*Hazel Lenore Small; Summerfield.
*Emma Roberta Smart; Iola.
*Julia Mae Smethers; Elmdale.
*Audrey Nadine Smith; Cedar Point.
*Azile Maye Smith; Miltonvale.
*Bernetha Oved Smith; Arkansas City.
*Bessie Olive Smith; Pretty Prairie.
Cora Hazel Smith; Emporia.
*Esther Emma Smith; Udall.
Esther Ruth Smith; Enterprise.
*Faye Grace Smith; Gove.
*Hazel Emily Smith; Kingman.
*Ione Gladys Smith; Lebo.
*Jennie Ione Smith; Fellsburg.
*La Villa Maye Smith; Simpson.
*Marie Vickie Smith; Lewis.
Nicholas Nathaniel Smith; Kan. City, Mo.
*Pauline Mary Smith; Edwards.
*Rebecca Madge Smith; Emporia.
*Anna Luiretta Smithers; Atchison.
*Evelyn June Snyder; Bucyrus.
*Lolita Clare Somers; Republic.
*Helen Barbara Sommer; Eudora.
*Margaret Alice Sorenson; Council Grove.
Grace Angeline Southard; Allen.
*Annabel Speer; Muscotah.
Mabel Etta Spencer; Emporia.
*Mabel Irene Spencer; Topeka.
*Mildred Susan Spielman; Ozawkie.
*Bernice Luella Starbird; Auburn.
Arzie Raymond Stark; Emporia.
Ira Edgar Stark; Elk.
*Ora Marie Starkweather; Topeka.
*Isabel Starr; Welda.
Maybelle Statton; Ashland.
*Mary Alice Steele; Beloit.
Cora Maye Steenis; Deerfield.
*Ida Steiner; Burlington.
*Helen Emeline Stevens; Galva.
*Cassie Alone Stewart; Delphos.
Cleyon Albert Stewart; Elmdale.
Clint Houston Stewart; Elmdale.
*Elizabeth Ellen Stewart; Admire.
*Esther Leone Stewart; Havana.
*Mrs. Sarah Stewart; Council Grove.
*Ethel Lynn Stockdale; Grenola.
*Opal Leona Stogsdill; Topeka.
*Laura Belle Stolte; Merriam.
*Bessie Estella Stone; Pratt.
*Howard Abbey Stone; Saffordville.
*Dorothea Averil Stones; Haviland.
*Marie Mabel Stones; Haviland.
Ferne Opal Stotts; Emporia.
*Nell Rosalia Stout; Newton.
*Mary Iva Stoy; Peru.
*Wilma Ruth Stradley; Uniontown.
*Mary Elizabeth Straight;
Oklahoma City, Okla.
Margaret Stranahan; Wilsey.
*Charles Eddy Strange; Blue Rapids.
*Hazel Marguerite Strawn; Moran.
Frank Strickler; Ransom.
*Frances Velva; Fredonia.
*Bessie Robinson Strong; Shawnee, Okla.
*Edith Velma Strong; Overbrook.
*Ethel Martha Strong; Moran.
*Mary May Strong; Moran.
Lelia May Sturges; Emporia.
*Clara Magdalan Strutzel; Olpe.
*Elizabeth Ellen Sturdy; Baldwin.
*Edna Marie Sturgeon; Valley Falls.
Grace Ray Sullivan; Overbrook.
Marcia Summer; Wathena.
*Maude Marie Sutton; Greeley.
*Alice Janie Swant; Ottawa.
Opal Swarnes; Hutchinson.
Gladys Swart; Yates Center.
*Grace Tilly Sweet; Udall.
*Jeannette Cooper Swezey; Wakefield.
*Ethel Mae Swisher; Harper.
*Cora Lee Taylor; Eureka.
Ferne Shirley Taylor; Emporia.
Leslie Gardner Taylor; Emporia.
*Hester Alberta Taylor; Geneseo.
Meryl Taylor; Emporia.
*Lucile May Taylor; Council Grove.
*Rull Ethlyn Taylor; Hutchison.
*Esther Marian Thoes; Alma.
Gladys May Thomas; Emporia.
Marjorie Thomas; Emporia.
Marjorie Lyon Thomas; Emporia.
*Velma Opal Thomas; McLouth.
*Ethel Elena Thompson; Delphos.
*Gladys Mary Thompson; Elmdale.
*Leonard Wilson Thompson; Wamego.
Myrtle Belle Thompson; Oswego.
*Mary Errola Thompson; Cawker City.
*Ruth Elizabeth Thompson; Atchison.
*Edna Thomson; Emporia.
Ida Amelia Thorne; Kinsley.
*Hazel Irene Thrasher; Holcomb.
*Beatrice Jane Taylor; Blue Mound.
*Cleo Lenora Richenor; Le Roy.
Ferne Tiffany; Topeka.
*Fae Luella Todhunter; Lecompton.
*Anna Marie Tracy; Americus.
*Lois Isabella Trager; Bucklin.
*Margaret Leona Trager, Bucklin.
*Beauannah Belle Trimmell; Neodesha.
*Matilda Emmly Troll; Emporia.
Cecil Rosetta Trusler; Emporia.
*Blanche Mourine Tunney; Emporia.
*Ethel Alice Tunney; Emporia.
Leonard Turner; Wellington.
*Myrtle Iva Tutcher; Overbrook.
*Ema Kinney Tyner; Overbrook.
*Barbara Ruth Updegrove; Cimarron.
*Thelma Oletha Van Fleet; Jewell.
*Bernice Van Gundy; Neosho Rapids.
*Florence Van Hereke; Westphalia.
*Frank Benton Van Lewen; Milton.
*Lillian Latham Van Lewen; Milton.
Marvin Van Osdol; Pretty Prairie.
Franchon Van Pelt; Enid, Okla.
*Margaret Van Tuyl; Leavenworth.
Harvey Van Voorhis; Kinsley.
*Ida Lucille Van Voris; Emporia.
*Ardia Ermina Vasconcells; Lyons.
*Helen Adaline Vaughn; Beattie.
*Marion Frances Vaughn; Winfield.
Mattie E. Vaughn; Emporia.
Ermine Elizabeth Vawter; Blue Rapids.
*Mabel Anna Vawter; Blue Rapids.
*Iris Anna Veach; Neal.
*Millie Imogene Veach; Utopia.
*Caroline Rowenna Vogelman; Burns.
*Hulda Vogelman; Burns.
*Edna Elsa Volkman; Woodbine.
*Florence Elizabeth Vosburgh; Osborne.
*Anna Elizabeth Waetzig; Carbondale.
*Clarissa Mable Wagner; Iola.
*Flora Margaret Wagner; Yates Center.
*Elsie Marie Waldron; Baldwin City.
*Nell Blye Waldron; Wichita.
*Ethel May Walker; Downs.
*Esther Mildred Walker; Milan.
*Lawrence Marion Walker; Maize.
*Naomi Jane Walker; Downs.
*Cainie Frances Wallace; Norwich.
*Fern Miranda Wallace; Winfield.
*Sarah Mabel Wallace; Lincoln.

COLLEGE FRESHMEN—*Concluded.*

*Lillian Beatrice Waln; Canton.
*George Daniel Walter; Princeton.
*Leah Vivian Walters; Colwich.
*Blanche Vera Ward; Mayetta.
*Clare Belle Ward; Copeland.
*Kenneth Harold Ward; Severy.
*Nelle Josephine Wasson; Viola.
*Mable Marie Waterman; Florence.
*Charlotte Waters; Oketo.
*Odessa Mae Watson; Haven.
*Katherine Caroline Watt; Neodesha.
*Marie Anna Wayman; Allen.
*Hazelle Marie Wear; Wichita.
*Ruth Augusta Wever; Clifton.
*Blanche Weeks; Bushong.
*Neva Zena Weese; Lewis.
*Marcia Julia Welch; Council Grove.
*Iva Myrtle Weldon; Garden City.
*Nola Morine Wellborn; Emporia.
*Mabel Eldeen Wells; Udall.
*Ola Maude Wells; Dunlap.
*Fannie Emma Wentz; Leon.
*Faith Wertenberger; Washington.
*Hazel Chalmer West; Blue Mound.
*Hazel Jane Westbrook; Canton.
*Inez Edna Westerhouse; Eudora.
Eva Jane Weston; Emporia.
*Ethel Viola Whearty; Westmoreland.
*Harriet Florence Whitaker; Nortonville.
*Flossie Eletha Whitcher; Melvern.
*Vera Whitcher; Melvern.
*Blanche Ruth Whitcraft; Axtell.
*Elma Marjorie White; Allen.
*Frances Elizabeth White; Tonganoxie.
*Hazel White; Buffalo.
Lucile Julia White; Atchison.
Margaret Dean White; Rose.
*Mary Kearney White; Sabetha.
*Zelia Ayleen White; Lane.
*Sylvia Elizabeth Whiteneck; McPherson.
*Cecilia Elinora Wieland; Elk City.
*Lola Ruth Wilbur; Lawrence.
*Hattie Nettie Wilcox; Leon.
*Hazle Elizabeth Wilcoxon; Meriden.
*Helen Harriet Wiley; Mound City.
*Mary Juanita Wilkerson; Lewis.
*Clara Fern Wilkinson; Welda.
*Esther Williams; Broughton.
*May Laura Williams; Burlington.
Orlesta Williams; Emporia.
*Sarah Hilma Williams; Preston.
*Thelma Pearl Williams; Wichita.
*Lillian Pauline Wellrich; Fort Scott.
*Dora Catheryn Wilson; Lawrence.
*Edith Josephine Wilson; Rush Center.
*Eleanor Wilson; Burlington.
*Evelyn Ora Wilson; Rush Center.
*Hazel La Vesta Wilson; St. John.
*Maude Etna Wilson; Burlington.
*Ruby Wilson; Bethel.
*Ruth Elizabeth Winfrey; Winfield.
*Josephine Wingfield; Independence.
*Violet Horrona Wingert; Emporia.
*Ethel Thelma Wingler; Iola.
*Vera May Winkles; Hamlin.
*Grace Edith Winkley; Marion.
*Zella Marie Winner; Topeka.
*Lucille Kathryn Wise; Mont Ida.
*Vira Gladys Wittmer; Circleville.
*Alma Rose Whodt; Spring Hill.
*Fairy Mae Wolgast; Alta Vista.
*Nina Irene Wolgast; Alta Vista.
Byron Clark Woodward; Emporia.
Irene Woodward; Wichita.
*Hazel Genevia Wood; Hamilton.
*Helen Wood; Anthony.
*Helen Olivia Wood; Lawrence.
*Ruby Agnes Woodard; Kincaid.
*Fannie Woodruff; Clyde.
*Blond Zack Woods; Greensburg.
John Samuel Woods; Greensburg.
*Verna Viola Woodside; Carbondale.
*Jennie Mae Woodworth; Anthony.
*Alberta Faye Wright; Maplehill.
*Bernice Dolores Wright; Neosho Falls.
*Essie Siddie Wright; Coolidge.
*Evelyn Estal Wright; Neosho Falls.
*Grace Marcella Wright; Minneola.
*Lillia Olive Wright; La Harpe.
Lois Wyant; Emporia.
*Florence Alta Wyatt; Newton.
*Phyllis Leonore Whyyn; Perth.
*Mabel Faye Yapp; Jewell.
*Gladys Margaret Yates; Tonganoxie.
Jacob Glenn Yawger; McCracken.
*Marian Grace Yeoman; Kingman.
*Loretta Mae Yodern; Conway.
*Beatrice Barbara Yound; Stilwell.
*Clara Lucile Yound; Eskridge.
Columbia May Young; Eskridge.
*Laura Evalena Young; Pretty Prairie.
*Lila Mildred Young; Cimarron.
*Madeline Virginia Young; Burden.
*Madelena Barbara Young; Moran.
*Margaret Young; Great Bend.
*Murrell Leta Young; Eskridge.
*Velma Young; Howard.
*Saada Elizabeth Zakowra; Osawatomie.
Helen Zimmerman; Seneca.
*Beulah Caroline Zwanziger; Alma.

THE HIGH SCHOOL.

HIGH-SCHOOL SENIORS.

*Edna Lavina Allen; Lamar.
*William Hulbert Allen; Rock Creek.
*Anna Elizabeth Archer; Emporia.
*Pearl Gladys Babcock; Emporia.
*Hazel De Naus Bartholomew; Hudson.
Emilie Bauer; Marion.
*Marian Benedict; Emporia.
Charles Bird; Emporia.
Alva Jonothon Bogue; Manhattan.
*Francis Edwin Buck; Emporia.
Phebe Fern Butler; Madison.
*Effie Mae Butz; Oneida.
Leda Delphia Carpenter; Paola.
*Fern Rosa Carter; Meriden.
Mattiperl Jane Cartmel; Emporia.
*William Joseph Cavanagh; Perry.
Alta Ward Clothier; Sylvia.
Clara Marie Cordes; Meade.
*Robert Edwin Crosby; Leon.
Anna Laura Davis; Emporia.
*Florence Davis; Clearwater.
*Hattie Colene Davis; Dunlap.
*Manda Davis; Clearwater.
Judith Ann Dixon; Leon.
*Lulu May Dobbins; Linn.
Clara Irene Duer; Zenith.
Edwin Dumm; Emporia.
Esther Edwards; Sylvia.
Marjorie Edwards; Emporia.
Beryl Louise Fisher; Emporia.
*Ethel Belle Fouts; Howard.
Lydia Frick; Durham.
*Mae Irene Frey; Vassar.
*Anna Sullivant Galbraith; White City.
*Carl Howard Garth; Emporia.
*Nettie Giles; Wichita.

HIGH-SCHOOL SENIORS—*Concluded.*

*Phyllis Gillis; Emporia.
Harold Gilman; Emporia.
*Grace Wilson Givens; Parkville, Mo.
*Grace Margaret Godsey; Emporia.
*Pearl Edith Gunkie; Emporia.
*Margaret Frances Hahn; White City.
*Reba Irene Hall; Hoyt.
*Margaret Uda Hamilton; Neal.
Edwin Fitzgerald; Emporia.
*Catherine Hatcher; Emporia.
*Emma Elizabeth Hebrank; Council Grove.
*Gladys Marian Henry; Selma.
*Valma Alena Hinze; Emporia.
Amy Howell; Emporia.
*Paul Hunt; Emporia.
*Edith Aldwilda Johnson; Wilsey.
*Guila Sarah Joy; Hoyt.
Bessie Kauffman; Enterprise.
*Mary Kipp; Emporia.
*Ruth Adeline Kirk; Elk City.
*Elizabeth May Kuebler; Pomona.
*Elsie Mae Kuykendall; Osage.
*Marion Melvern Lee; Emporia.
*Grace Estelle Lochard; Emporia.
*Margaret Lockwood; Kincaid.
Kelda McComb; Florence.
Lillard Harold McGee; Emporia.
*Lulu McGregor; Emporia.
*Lulu Mary McMurphy; Madison.
*Kathryn Meyer; Harper.
*Edith Lorain Morrison; Emporia.
Rendel Newsom; Emporia.
*Norma Murrel Nowlin; Hunnewell.
Ruthetta Owsley; Longford.
*Mary Prenc; Kansas City, Kan.
Anne Randolph; Emporia.
Edna Ricard; Emporia.
Glenna Roan; Emporia.
*Delight Muriel Robinson; Emporia.
*Neva Marie Ross; Meade.
*Jean Aileene Rugg; Arkansas City.
*George Edgar Ruggles; Altoona.
*Vira May Runyon; Barclay.
*Floy Virginia Shirkey; Madison.
John Henry Shirkey; Madison.
Alpha Jane Smith; Cedar Point.
*Clarice Adlee Smith; Howard.
*Joyce Smith; Emporia.
*Margaret Soden; Emporia.
Don Stephens; Emporia.
*Rilie Thomson; Emporia.
*Marie Ellen Truskett; Toronto.
*Margaret Rose Ullman; Severy.
*Ernest Valyer; Emporia.
*Martha Walker; Emporia.
*Jessie Pauline Whitted; Derby.
*Eona Adalaide Wilson; Stafford.

HIGH-SCHOOL JUNIORS.

Pearl Portia Alexander; Emporia.
Ruby Lutzell Alexander; Emporia.
Vernon Bair; Topeka.
Hodges Rufus Barrett; Emporia.
Anna Marion Barth; Emporia.
*Emile Louise Bauer; Marion.
*Della Mae Beasley; New Ulysses.
*Helen Rose Bell; Lyndon.
*Laura Naomi Best; Admire.
*Daisy Deane Bramwell; Emporia.
*Hazel Evangeline Brandon.
*Victor Asaph Buck; Hutchinson.
*Lottie Anne Burgess; Plymouth.
*Harold Allen Burt; Emporia.
*Calvin Cecil Burton; Parkerville.
Thomas Peck Butcher; Emporia.
Edward Calkins; Salina.
*Bethel Chalk; Wathena.
*Camilla Winifred Chandler; Sabetha.
*Anna Cleland; Emporia.
Oliver Miller Click; Emporia.
Edward Charles Coleman; Emporia.
Lillian Ruth Creighton; Emporia.
*Rose Alverta Crawford; Emporia.
Frances DeBange; Reading.
Charles Delbert Kimmick; Emporia.
Jess Monroe Duer; Zenith.
Robert Charles Dunning; Kan. City, Kan.
Alta May Dye; Linnens, Mo.
*Minnie Etta Edgecomb; McPherson.
*Henry John Ellenberger; Emporia.
Mary Electa Elting; Utica.
*Eva May French; Emporia.
Dollie May Frost; Emporia.
*Floy Elinor Gerber; Meriden.
*Walter Giffin; Mound City.
Frederick Gregg; Emporia.
*Edna McCauley; Emporia.
Gladys Julia Harvey; Emporia.
*Edna McCauley; Emporia.
*Vinita Hawthorne; McPherson.
*William Haynes; Emporia.
*Myrtle Eveline Heidel; Council Grove.
*Carl Marter Helgeson; Galva.
Ruth Hazel Higgins; Emporia.
Lawrence Charles Hill; Emporia.
*Ruth May Hogue; Isabel.
Roy Fred Horton; Emporia.
*Mabel Catherine Jenkins; Osage City.
*Aaron Kennedy; Piedmont.
*Muriel Delpha Kimball; Centralia.
Marguerite Mary LaLoge; Emporia.
Lucy Strong Lewis; Emporia.
*Bertha Mae Liebmann; Emporia.
*Naomi Lindwood; Emporia.
*Jean Hale Linterum; Arkansas City.
*Cora Jeannette McCandles; Richmond.
Harry Albert McConnel; Emporia.
John Russell Manly; Diamond Springs.
*Minnie Sophia Miller; Vassar.
*Sadie Bertha Miller; Vassar.
Louise Ora Murphy; Madison.
*Alice Mary Noone; Tampa.
*Joseph Thomas O'Connor; Emporia.
*John Richard Peach; Emporia.
Robert Russell Paxton; Emporia.
*Adelaide Isabel Peterman; New Ulysses.
Isabel Postlethwaite; El Paso, Colorado.
*Arthur Dee Powell; Fredonia.
*Louis Theodore Reeves; Emporia.
*Kate Leslie Richardson; Hugoton.
*Ethel Anne Robinson; Emporia.
*Floyd Ralph Robston; Waverly.
Chester Shank; Emporia.
Frank Samuel Shank; Emporia.
*Addie Harriet Sharp; Amy.
Victor Warren Short; Emporia.
*Norine Elizabeth Spaight; Atchison.
Homer Alpheno Stephens; Emporia.
Gladys Lucile Stevenson; Plymouth.
*Grace Mae Stevenson; Richmond.
*Gladys Thelma Stewart; Neosho Falls.
Joseph Stout; Emporia.
Lola Mabel Stroud; Uniontown.
*Nettie Mildred Thompson; Montezuma.
*Grace Vandenburg; Bushong.
*Beulah Ellen Baughn; Emporia.
*Cora May Veech; Rolla.
*Irene Marie Waddell; Beloit.
*Marshall Warren; Emporia.
*Mayfred Vera Watkins; Valley Center.
*Susannah Van Webb; Atchison.
Mary Katherine White; Emporia.
*Bess Marie Wilks; Emporia.

HIGH-SCHOOL JUNIORS—*Concluded.*

Dora Eva Wilks; Emporia.
*Ura Mae Williams; Elk Falls.
*Gladys Fern Wilson; Neal.
*Eleanor Mae Wright; Rosedale.
*Grace Floy Wright; Lincolnville.
*Flora May Young; Coldwater.

HIGH-SCHOOL SOPHOMORES.

Alice Alvord; Emporia.
Ilda Alvord; Emporia.
Edna Theodora Anderson; Emporia.
*Bertha Dorothy Bandhauer; Kingman.
Wynford Vernon Barrett; Olivet.
Abbie Emma Becker; Netawaka.
*Lavernia Georgia Becker; Fairview.
Ruth Benedict; Emporia.
Cecil Irene Bitler; Emporia.
*Julia Beatrice Bond; Emporia.
*Ella Jahanna Borieson; Jetmore.
*Ava Lorraine Borland; Cimarron.
Ida Brown; Burlingame.
*Lurenia Brown; Emporia.
*Phil Walter Buck; Hutchinson.
Harry Burnap; Emporia.
Cecil Butler; Madison.
*Bessie Bell Burton; Lebo.
*Alice Ruth Childres; Emporia.
*Dorothy Ann Cleland; Topeka.
*Bertie Mae Clinesmity; Lincoln.
*Mary Louise Curtis; Hugoton.
*Leona Dearing; Wellington.
Theophile De Gange; Reading.
Audrey Myrtle Detrich; Emporia.
*Alta May Dye; Linneus.
Fred Peter Eckhoff; Meade.
*Elizabeth May Elliott; Emporia.
*Ella Anna Elliott; Emporia.
John Scott Elting; Utica.
*Irene May Ferren; Emporia.
*Inez Evelyn Fulk; Lebo.
*Glenn Gemeny; Woodbine.
Jane Isabel Gordon; Emporia.
*Ethyl Francis Gray; Stafford.
*Ruth Elizabeth Gregg; Neal.
*Hilda Gustafson; Scranton.
*George Belle Harmer; Drexel.
*Gladys Julia Harvey; Emporia.
Frank Lafayette Hawking; Clements.
Carl Martin Helgeson; Galva.
Roy Alvin Hoglund; Miller.
*Roscoe Thomas Jones; Liberal.
*Ellen Virginia Kelsey; Richmond.
Fred Kunz; Emporia.
Lydia Louise Kurz; Kendall.
*Helen Inez Lindquist; Brookville.
Herbert Orran Lull; Emporia.
Mabel Irma Lynn; Ransom.
Nellie Estella McConnell; Council Grove.
*Mame May Marson; Le Roy.
Charles Floyd Mertz; Sedan.
*Iva Lavada Molby; Linn.
*Anna Laura Nanninga; Emporia.
*Lona Le Reta Nunn; Stafford.
*Trilvia Nunn; Stafford.
*Barbara Margaret Nusser; Plevna.
Robert Russel Paxton; Emporia.
*Macy May Piper; Emporia.
*Iris Blanche Rhine; Haddam.
*Helen Richter; Emporia.
*Harriet Robertson; Mulvane.
*Josephine Rachel Rohrbaugh; Buffalo.
*Larua Mina Rose; Emporia.
*Myrtle Naomi Sechrest; Richmond.
*Ione Shepard; Emporia.
*Marjorie Mary Slack; Emporia.
*Golda Pearl Smith; Pratt.
*Lola Mabel Stroud; Uniontown.
*Katherine Walker; Matfield Green.
*Osa Mildred White; Elk Falls.
*Anna May Zovdsky; Belleville.

HIGH-SCHOOL FRESHMEN.

*Ritta Janetta Addams; Downs.
Jessie Allen; Winfield.
*Edwin Raymond Barrett; Emporia.
*Laura May Beck; Osborne.
Sarah Frances Bishop; Wichita.
*Cecile Irene Butler; Madison.
*Sara Evelyn Crank; Topeka.
*Emily Crist; Marquette.
*Frances Elizabeth; White City.
*Ruth Ella Emrick; Olpe.
*Ressa Pauline Frye; Hutchinson.
*Jennie Virginia Giffin; Mound City.
Irene Gill; Towanda.
*Rachel Meriam Hart; Emporia.
*Elizabeth Haywood; Emporia.
*Dorothy Bernice Hodges; Emporia.
*Sarah Matilde Hoefer; Tampa.
*Gertrude Cecila Hughes; Emporia.
*Minnie Melissa Ivy; Winfield.
*Tynah Izabel Jensen; Bushong.
Margaret Elizabeth Keller; Emporia.
*Edna LuVina McClure; Emporia.
Van Lewis McCoy; Eskridge.
*William Kae Marchbanks; Arcadia.
*Mamie Meade; Severy.
*Lena Adelle Mintern; White City.
*Sylva Florence Neill; Emporia.
*Violet Leona Newman; Emporia.
*Emma Jane Parks; Benton.
*Katherine Alberta Reiter; Marysville.
*Ethie M. Rhoads; Gardner.
*Oliver Clark Roberts.
*Marjorie Short; Emporia.
*Hazel Elizabeth Stansbury; Oakley.
*David Paul Trimble; Emporia.
Frances Warren; Eskridge.
*Clara Evabelle Wood; Hamilton.

UNCLASSIFIED STUDENTS.

Emma Marie Ahlftere; Long Island.
*Mrs. Massie Alford; Mt. Hope.
*Beatrice Anderson; Americus.
*Edna Thedora Anderson; Emporia.
*Elizabeth Beatty; Osawatomie.
*Gertrude Bigbee; Topeka.
*Minnie Bowles; Wichita.
Edna Brannan; Emporia.
Chester Brannan; Emporia.
*Christine Carlson; Olsburg.
Bess Clapp; Emporia.
*Agnes Bessie Cowan; Athol.
Leah Dickinson; Alamota.
Willetta Dickinson; Alamota.
*Nina Duden; Morganville.
*Thomas Arthur Edgerton; Humboldt.
*Ora Bernice Edwards; Moran.
Janet Fotheringham; Emporia.
*Mrs. Delphos Harrison; Emporia.
*Mrs. Lina Harrison; Emporia.
*Olive Harvel; Belle Plaine.
*Effie Hastings; Alma.

UNCLASSIFIED STUDENTS—*Concluded.*

*Mattie Margaret Hinkle; Fredonia.
*Eva Frederica Hoefer; Tampa.
Mrs. Belle Robinson James; Emporia.
*Pearl James; Emporia.
*Ella Kaiser; Madison.
*John Kell; Emporia.
*Emma Katheryn Kelsey; Richmond.
*Mrs. Frances Helen Kilkenny; Atchison.
*May Laurence; Sabetha.
*Mrs. Alena Looney; Langdon.
*Ruth Olive Mann; Baldwin City.
*Kate Ellen Martin; Fowler.
*Agnes Mabel Monypeny; Hartford.
*Emma Lorena Moore; Stafford.
*Enna Patrick; Howard.
*Gertrude Perkins; Dover.
*Cecile Pett; Linwood.
*Jennie Mae Reinert; Ingalls.
*Mary Altha Riley; Grenola.
*Flora Aleda Ross; Dillon.
*Ella Russell; Spring Hill.
Mrs. Anna Shultz; Emporia.
*Mattie Sims; Edgerton.
*Viola Spencer; Emporia.
*Eva Elizabeth Stewart; Garnett.
*Minnie Sullivan; Wilson.
Bernice Taylor; Emporia.
Etta Mary Thompson; Ottawa.
*Henry Thompson; Topeka.
*Olive Troutwein; Winfield.
*Cora Elizabeth Unbarger; Newton.
*Charles Logan Voorhies; Miltonvale.
*Katherine Anna Walbert; Columbus.
*Emma Waymire; Emporia.
*Lucy Ethel Whipple; Olivet.
*Cora Alice Wilks; Gypsum.
*Anabel Williams; Belle Plaine.
*William Wesley Wineinger; Fort Scott.
Mabel Winne; Marion.
*Adah Wright; Moran.

MUSIC.

Frank Adam; Emporia.
*Clyde Ahlstrom; Reading.
*Lucile Ahlstrom; Reading.
*Mildred Ahlstrom; Reading.
Iva Allen; Emporia.
Ruth Andrews; Emporia.
*Thelma Anderson; Emporia.
Fern Antle; Emporia.
*Groden Armour; Emporia.
*Lucile Armstead; Emporia.
Winona Atyes; Emporia.
Dorothy Austenfeld; Emporia.
Catherine Austin; Emporia.
Mrs. C. C. Bailey; Eureka.
Dreda Bailey; Emporia.
Lorene Barnes; Emporia.
*Willia Bell; Americus.
Herman Berg; Emporia.
*Catherine Bernheisel; Hartford.
Virginia Birdsong; Emporia.
Susie Books; Emporia.
Ernest Breed; Emporia.
*Gertrude Brooks; Emporia.
Elmer Brown; Emporia.
*Pansy Brown; Emporia.
*Pauline Burkett; Americus.
Mary Burnap; Emporia.
Agnes Cain; Emporia.
*Anna May Carey; Reading.
*Clifford Carr; Emporia.
Vernon Carson; Emporia.
Marjorie Clark; Emporia.
Edna Cole; Emporia.
*Mary Coleman; Emporia.
*Mrs. J. P. Cowen; Emporia.
Zella Crakel; Emporia.
*Edith Crouse; Emporia.
*Virginia Cunningham; Emporia.
Willa Daniels; Emporia.
*Audrey Myrth Detrick; Emporia.
*Carl Deasher; Emporia.
*George Leland Drennan; Emporia.
*Sypha Dumbauld; Emporia.
Jo Dumm; Emporia.
Frank Eckdall; Emporia.
Funston Eckdall; Emporia.
Virginia Eckdall; Emporia.
*Evelyn Elliott; Americus.
Ava Emrick; Emporia.
Goldie Ruth Francis; Emporia.
Ruth Galt; Emporia.
*Frances Garten; Emporia.
Eva Gerardy; Emporia.
Marjorie Gilson; Emporia.
Teresa Gilson; Emporia.
Maxine Glass; Emporia.
Maris Grady; Emporia.
Helen Grant; Emporia.
*Sarah Mary Gray; Emporia.
*Edward Greesberg; Emporia.
Eva Greenlee; Emporia.
*Winifred Gufler; Emporia.
*Mrs. Gunn; Emporia.
Christine Hagins; Emporia.
*Charlotte Haight; Burlington.
Merle Harvey; Emporia.
James Haviland; Erie.
Imogene Hedrick; Emporia.
*Ethelbertha Hembling; Emporia.
*Violet Hembling; Emporia.
*Ardis Hill; Emporia.
*Wilma Hill; Emporia.
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Mary Jones; Emporia.
Warren Jones; Emporia.
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Jessie Kelley; Emporia.
Esther Kendig; Emporia.
Mrs. Neta Kiefer; Emporia.
Helene Knouse; Emporia.
Glaco Knox; Emporia.
Zelia Knox; Emporia.
Fred Lakin; Emporia.
*Elizabeth Langley; Emporia.
*Loretta Langley; Emporia.
Louise Lawrence; Emporia.
Catherine Leach; Emporia.
Katherine Lewis; Emporia.
*May Limbocker; Burlington.
Marcia Lind; Emporia.
Eugene Link; Emporia.
Lida Belle Link; Emporia.
Harriet Lull; Emporia.
*Bertha Lumley; Americus.
Roberta McBride; Emporia.
Erna McKee; Saffordville.
Geraldine Mahar; Emporia.
Irene Marmont; Emporia.
*Naomi Martin.
Eva Marvin; Emporia.
Margaret Mayberry; Emporia.

MUSIC—*Concluded.*

*Dillon Maybeth; Emporia.
*Jeanette Mayes; Emporia.
*Evelyn Ann Meredith; Emporia.
Elsie Miller; Emporia.
*Pauline Monroe; Emporia.
Clara Moore; Emporia.
*Jo Morris; Emporia.
Ruth Nation; Emporia.
Beatty Neighbors; Emporia.
Martha Neighbors; Emporia.
Ramona Neill; Emporia.
Sylvia Neill; Emporia.
Lena Nevitt; Saffordville.
Eleanor Newman; Emporia.
*Martha Nutting.
*Eva Lucile Owen; Emporia.
*Martha Owen; Emporia.
*Viola Paden; Emporia.
*Helen Parker; Emporia.
Clayton Patterson; Emporia.
*Adelle Peterson; Emporia.
Orvetta Phipps; Emporia.
Mini Piper; Emporia.
*Josephine Quinn; Emporia.
*Agnes Rasmussen; Emporia.
Gottfred Alfred Rasmussen; Emporia.
Gladys Rich; Emporia.
Bernice Roberts; Emporia.
*Tom Roberts; Emporia.
*Flora Rogers; Emporia.
*Eugene Ryan; Emporia.
Josephine Sagasser; Emporia.
Margaret Shearer; Emporia.
Alva Smith; Emporia.
Annabel Lucile Smith; Scott City.
Maida Smith; Emporia.
*Velma Smith; Emporia.
Avis Somers; Emporia.
*Lois Sonnedecker; Emporia.
*Kathleen Sowerby; Emporia.
Mabel Stewart; Emporia.
*Dorothy Swatzel; Emporia.
*Cathadeen Taylor; Emporia.
*Pearl Taylor; Emporia.
*Gertrude Tholen; Emporia.
Aneta Thomas; Emporia.
Caroline Thomas; Emporia.
*Gordon Thomas; Emporia.
*Jay Thomson; Emporia.
Mary Evelyn Thomas; Emporia.
Rilie Thompson; Emporia.
Samuel Tressler; Emporia.
Pal Trimble; Emporia.
Wilma Turner; Emporia.
*George Urquhart; Emporia.
*Lorene Urquhart; Emporia.
Bertha Volmer; Emporia.
*Eleanor Wagner; Reading.
Margaret Wagner; Reading.
*Juanita Waller; Emporia.
Truly Walters; Emporia.
Mrs. Lee Wayman; Emporia.
*Jessie Craig Wells; Emporia.
*Norman Westlund; Osage City.
*Ellsworth Whitcraft; Osage City.
*Clifford Willey; Emporia.
*Leona Willey; Emporia.
Dewitt Williams; Emporia.
*Elizabeth Williams; Emporia.
*Mary Alameda Williams; Bushong.
*Audrey Wilson; Emporia.
*Vineta Wolfe; Emporia.
*Catharine Woolwine; Emporia.
*Lenna Workman; Saffordville.
*Irvin Ziegler; Emporia.

Summary of Attendance.

	Women.	*Men.*	*Total.*	
Graduates	13	6	19	
College Seniors	90	50	140	
College Juniors	166	54	220	
College Sophomores	372	46	418	
College Freshmen	1,463	133	1,596	
Entrants, Spring Term, 1921, estimated	....	...	100	
Unclassified	57	4	61	
	2,161	293	2,554	
High School Seniors	77	16	93	
High School Juniors	66	32	98	
High School Sophomores	46	16	62	
High School Freshmen	32	5	37	
	221	69	290	
				2,844
Music (taking music only)	148	37	185	
Junior High School and Elementary Training School	170	152	322	
Correspondence Study			401	
Lecture Study			230	
				3,982

KANSAS COUNTIES REPRESENTED.

The following-named counties—ninety-eight in all—were represented during the past year. As younger children make up the classes in the primary, intermediate and upper grades of the Elementary School and the Junior High School, the pupils listed there are largely from Emporia or from the immediate vicinity. Many students who are enrolled as from Emporia or Lyon county belong to families who are residing here temporarily for the purpose of educating their children.

Allen	54	Gray	14	Osborne	33
Anderson	48	Greenwood	87	Ottawa	24
Atchison	28	Harper	20	Pawnee	8
Barber	13	Harvey	30	Phillips	14
Barton	7	Haskell	1	Pottawatomie	16
Bourbon	15	Hodgeman	1	Pratt	21
Brown	25	Jackson	36	Rawlins	1
Butler	60	Jefferson	41	Reno	61
Chase	18	Jewell	26	Republic	17
Chautauqua	10	Johnson	43	Rice	28
Cherokee	8	Kearny	5	Riley	9
Cheyenne	2	Kingman	40	Rush	8
Clark	9	Kiowa	14	Russell	4
Clay	23	Labette	3	Saline	30
Cloud	21	Lane	3	Scott	2
Coffey	54	Leavenworth	26	Sedgwick	74
Comanche	7	Lincoln	12	Seward	4
Cowley	38	Linn	21	Shawnee	57
Crawford	5	Logan	1	Sheridan	1
Decatur	1	Lyon		Sherman	1
Dickinson	42	McPherson	42	Smith	4
Doniphan	11	Marion	43	Stafford	29
Douglas	34	Marshall	37	Stanton	1
Edwards	18	Meade	17	Stevens	4
Elk	33	Miami	29	Sumner	38
Ellsworth	6	Mitchell	19	Trego	2
Finney	7	Montgomery	25	Wabaunsee	35
Ford	15	Morris	59	Washington	24
Franklin	38	Morton	1	Wichita	1
Geary	7	Nemaha	19	Wilson	25
Gove	1	Neosho	8	Woodson	26
Graham	3	Ness	5	Wyandotte	34
Grant	2	Osage	73		

NONRESIDENTS OF KANSAS.

Colorado	4	Missouri	6	Oklahoma	15
District of Columbia	1	New Mexico	1	Texas	1

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VOLUME I BULLETIN SERIES, MAY 1, 1922 No. 1, Pt. 1

KANSAS
STATE NORMAL SCHOOL
EMPORIA

GENERAL CATALOG
1922

Part 1—General Information

The General Catalog, 1922, is issued in five separate parts. Ask for them as needed:

Part 1—General Information.
Part 2—Announcement of Courses, 1922-'23.
Part 3—The School of Music.
Part 4—Roosevelt High School.
Part 5—Directory.

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EMPORIA

GENERAL CATALOG 1922

PART 1—GENERAL INFORMATION

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ART
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DECEMBER

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Calendar, School Year 1922-1923.

1922.

May 24-27, Wednesday to Friday.—College entrance examinations.
May 26, Friday.—Close of Second (January-May) Semester.
May 29, Monday, 9:30 a. m.—Commencement, fifty-eighth year.
May 30, Tuesday.—Memorial Day, a holiday.
May 31, Wednesday.—Opening of Summer (June-July) Term.
June 3, Friday.—Penalty of $1 for late registration.
July 4, Tuesday.—A holiday.
July 28-29, Friday and Saturday.—Term final examinations.
July 29, Saturday.—Close of first term of Summer School.
July 31, Monday, to August 25, Friday.—Second term of Summer School.
August 25, Thursday, to September 11, Monday.—Vacation.
September 7-9, Thursday to Saturday.—College entrance examinations.
September 11, Monday.—Opening of fifty-ninth year.
September 13, Wednesday.—Penalty of $1 for late registration.
October 27-28, Friday and Saturday.—County teachers' examination.
November 11, Saturday.—Armistice Day.
November 29, Wednesday, 6. p. m.—Beginning of Thanksgiving vacation.
December 4, Monday, 8 a. m.—Close of Thanksgiving vacation.
December 21, Thursday, 6 p. m.—Beginning of Christmas vacation.

1923.

January 2, Tuesday, 8 a. m.—Close of Christmas vacation.
January 19-24.—Semester final examinations.
January 24, Wednesday.—Close of First (September-January) Semester.
January 24-25.—Wednesday and Thursday.—Registration of students for the Second (January-May) Semester.
January 25, Thursday, 8 a. m.—Opening of Second (January-May) Semester.
January 26, Friday.—Penalty of $1 for late registration.
January 26-27, Friday and Saturday.—County teachers' examinations.
February 15, Thursday.—Founder's Day.
March 27, Tuesday.—High-school play.
April 3, Tuesday.—Organization of midsemester classes.
May 5, Friday, 8 p. m.—President's reception.
May 11, Friday.—Elementary Training School operetta.
May 20, Sunday, 8 p. m.—High-school baccalaureate service.
May 21, Monday, 10 a. m.—High-school commencement.
May 21, Monday 12 m.—High-school alumni banquet.
May 29 to June 1, Tuesday to Friday.—Semester final examinations.
May 30, Wednesday.—Memorial Day, a holiday.
May 31 to June 2, Thursday to Saturday.—College entrance examinations.
June 1, Friday.—Close of Second (January-May) Semester.
June 2, Saturday, 3 p. m.—Alumni business meeting.
June 2, Saturday, 8 p. m.—Annual Kappa Delta Pi address.
June 3, Sunday, 11 a. m.—Baccalaureate sermon.
June 4, Monday, 9:30 a. m.—Commencement, fifty-ninth year.
June 5, Tuesday.—Opening of Summer Term.
September 10, Monday.—Opening of sixtieth year.

Board of Administration.

GOVERNOR HENRY J. ALLEN, *ex officio* Chairman ..... Topeka.
ERNEST N. UNDERWOOD ..... Arrington.
H. J. PENNEY ..... Hays City.
E. L. BARRIER ..... Eureka.
JAMES KIMBALL, Business Manager ..... Salina.

Officers of Instruction and Administration.

Professors and Associate Professors.

THOMAS WALTER BUTCHER, President.

A. B., University of Kansas; A. M., Harvard University; University of Berlin.

FRANK U. G. AGRELIUS, Associate Professor of Botany; and Supervising Teacher of Botany in the Senior Division, Roosevelt High School.

A. B., A. M., University of Kansas.

JANE KELLOGG ATWOOD,[4] Professor of Geography; and Supervising Teacher of Geography, Roosevelt High School.

Ed. B., M. S., University of Chicago.

EDWIN R. BARRETT, Professor of English; and General Supervisor of English, Roosevelt High School.

A. B., Park College; A. M., University of Kansas; University of Chicago.

FRANK AMBROSE BEACH, Director of Department of Music, and Professor of Public-school Music.

B. L., University of Michigan; Syracuse University, School of Music; Juliani School of Opera, Paris.

HENRY ELLIS BIRDSONG, Associate Professor of English.

A. B., Bachelor of Journalism, University of Missouri; University of Chicago.

WILLIAM SHELTON BIXLER, Registrar.

B. S., Lincoln College; Ph. M., University of Chicago; Indiana University; University of Pennsylvania.

HERBERT HILL BRAUCHER,[11] Professor of Manual Training; and Supervising Teacher of Manual Training, Roosevelt High School.

B. Acct., Lincoln Business College, Lincoln, Ill.; A. B., University of Illinois; Stout Institute; University of Wisconsin.

WILLIS H. CAROTHERS, Professor of Educational Administration.

A. B., A. M., University of Kansas; University of Chicago; Teachers' College.

HORACE M. CULTER, Professor of Rural School Administration.

A. B., Kansas State Normal School.

V. A. DAVIS, Associate Professor of English.

William Jewell College; LL. B., Kansas City School of Law; B. S., A. M., University of Missouri.

JAMES CLARENCE DE VOSS,[2] Director of Bureau of Educational Measurements and Standards, and Associate Professor of Psychology.

A. B., A. M., University of Colorado; with Psychological Division, San. C., U. S. A., February, 1918, to June, 1919.

JOHN PAYSON DRAKE, Professor of Physics.

A. B., A. M., Wesleyan University (Connecticut); University of Wisconsin; University of Chicago.

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1. Resigned July, 1921.
2. Absent on leave.
3. Returned January, 1922.
4. Absent summer, 1921.
5. Resigned January, 1922.
6. Absent first semester, 1921-1922.
7. Began February, 1922; also summer, 1921.
8. Began January, 1922.
9. Began September, 1922.
10. Began June, 1922.
11. Resigned July, 1921, to be succeeded by C. L. Jackson.
12. Began October, 1921.
13. Resigned September, 1921.
14. Began December, 1921.

LILLIAN DUDLEY, Professor of Modern Languages.
B. S., Kansas State Normal School; A. M., University of Chicago; University of Berlin.

GEORGE W. ELLIS, Associate Professor of Mathematics.
A. B., A. M., Hamilton College; University of Chicago.

FRANKLIN L. GILSON, Professor of Public Speaking and Expression; and Supervisor of Public Speaking, Roosevelt High School.
Ph. B., Upper Iowa University; Cumnock School of Oratory; University of Chicago; Curry School of Expression.

EMMA L. GRIDLEY, Professor of Art.
A. B., Kansas State Normal School; Massachusetts Normal Art School; University of Chicago; Dow's Summer Art School; New York University.

HOMER WOODSON HARGISS, Coach of Men's Athletics, and Head of Department of Men's Physical Education.
Kansas State Normal School; College of Emporia; Harvard School of Physical Education.

ACHSAH MAY HARRIS,[4] Professor of Primary Education; and Head Supervising Teacher of the Primary Grades.
A. B., Kansas State Normal School; A. B., University of Michigan; University of Chicago; Chicago School of Music; A. M., Columbia University.

W. L. HOLTZ, Professor of Latin; and Supervising Teacher of Latin, Roosevelt High School.
A. B., Baker University; University of Chicago.

MARY NICHOLL KERR (Mrs. Willis H.), Dean of Women.
A. B., A. M., Bellevue College; University of Edinburgh.

WILLIS H. KERR, Librarian; and Professor of Library Science.
A. B., Bellevue College; A. M., Columbia University; University of Edinburgh.

THEODORE LINDQUIST, Professor of Mathematics; and General Supervisor of Mathematics, Roosevelt High School.
A. B., Lombard College; M. S., Northwestern University; Ph. D., University of Chicago.

HERBERT G. LULL,[3] Director of Teacher Training.
A. B., University of Michigan; A. M., University of Washington; Ph. D., University of California.

EDNA MCCULLOUGH, Professor of Women's Physical Education.
B. S., Kansas State Normal School; Graduate, Sargent School of Physical Education.

JAMES W. MAYBERRY, Professor of Chemistry.
A. B., A. M., University of Kansas.

WALTER E. MYER, Professor of Sociology and Economics.
A. B., Southwestern College; A. M., University of Chicago.

LUCILE OWEN, Bursar.
A. B., Kansas State Normal School; University of Chicago.

L. A. PARKE, Professor of Commerce; and Supervising Teacher of Commerce, Roosevelt High School.
LL. B., University of Kansas.

CHARLES R. PHIPPS, Professor of Agriculture.
Eastern Illinois State Normal School; B. S., University of Illinois.

W. D. ROSS, Professor of History; and Director of Public School Service.
A. B., A. M., University of Kansas; Teachers' College.

CARL W. SALSER, Secretary of the Alumni Association, and Director of the Extension Division.
A. B., Kansas State Normal School.

M. L. Smith, Professor of Rural School Administration; and Director of School Consolidation.

B. Pd., Kansas Wesleyan University; B. S., Columbia University.

Hazel K. Stiebeling, Professor of Home Economics; and General Supervisor of Home Economics, Elementary Training School and Roosevelt High School.

Skidmore School of Arts; B. S., Columbia University.

Catherine E. Strouse,[6] Associate Professor of Public-school Music.

Winona State Normal School; Thomas Training School, Detroit; National Summer School, Chicago.

Norman Triplett, Professor of Psychology and Philosophy, and Dean of Men.

A. B., Illinois College; A. M., Indiana University; Ph. D., Clark University.

Frank W. White,[1] Professor of Physiology and Hygiene.

M. D., Tufts College; Harvard School of Physical Education.

Pelagius Williams, Professor of History.

A. B., College of Emporia; A. M., University of Chicago; Columbia University.

Lyman C. Wooster, Professor of Biology and Geology.

Wisconsin Normal School (Whitewater); Beloit College; Ph. D., Milton College; Yale University; University of Chicago.

Dean A. Worcester, Associate Professor of Psychology, and Acting Director Bureau of Educational Measurements and Standards.

A. B., University of Colorado; University of Pennsylvania; A. M., University of Colorado.

Instructors.

Vida L. Askew,[4] Instructor in English; and Supervising Teacher of English, Roosevelt High School.

A. B., A. M., Oberlin College.

Ada Marie Baum, Instructor in Piano.

American Conservatory of Music, Chicago; Allen Spencer, Chicago; Arthur Dunham, Chicago; Mrs. Johana Hess-Burr, Chicago; Thomas Whitney Surette, Boston.

Mrs. Etta R. Bell,[9] Supervising Teacher of History and Civics, Elementary Grades.

Teachers' College, Warrensburg, Mo.; University of Missouri; A. B., Bachelor's Diploma in Education, George Washington University.

Rama V. Bennett,[4] Instructor in Home Economics.

A. B., University of Colorado; State Normal School, Santa Barbara, Cal.; B. S., Teachers' College.

Florence G. Billig, Supervising Teacher of Elementary and General Science, Junior Division, Roosevelt High School.

B. S., University of Chicago; A. M., Teachers' College, Columbia University; Marine Biological Laboratory, Woods Hole, Mass.

Lena Bixler (Mrs. W. S.), Assistant Supervising Teacher of Primary Grades.

B. S. in Education, Kansas State Normal School; University of Chicago.

Gertrude Brown, Supervising Teacher of English in Intermediate Grades.

Ottawa University; University of Colorado; University of Chicago.

Mrs. Mable Burgy,[9] Instructor in Commerce.

A. B., Iowa University.

Catherine Callahan[9], Instructor in Women's Physical Education.

B. S., University of Missouri.

HARRIET DAY,[8] Instructor in Art.

A. B., University of Nebraska; Teachers' College, Columbia University; Western College for Women, Oxford, Ohio; Julian Academy, Paris; New York School of Fine and Applied Arts; School of Industrial Art, Philadelphia; Cincinnati Art Academy.

CHARLAINE DEATHERAGE, Instructor in Latin.

A. B., University of Colorado; A. M., University of Chicago.

DANNETTA M. ECKDALL (Mrs. J. E.), Instructor in Art.

School of Design, Pittsburgh, Pa., Art Students' League; William Chase School of Art, New York; Chautauqua Arts and Crafts Summer School; Atkinson Mentzer Summer School, Chicago; Academy of Fine Arts, Chicago.

MARY GEORGE, Assistant Supervising Teacher of the Primary Grades.

New York Training School, Rome, N. Y.; Iowa University; B. S., Kansas State Normal School; Teachers' College.

IRMA GRAVES,[10] Instructor in Public Speaking.

A. B., Dakota Wesleyan University; Graduate Diploma, Northwestern University School of Speech.

NORA HALL,[7] Instructor in Art.

B. S., Kansas State Normal School; Indianapolis School of Illustrating; Chicago School of Industrial Art; A. B. in Painting, Bethany College, Lindsborg, Kan.

HOPE HARDIE,[9] Instructor in Violin.

Violin Teacher's Certificate, Power-Meyer Conservatory.

QUEEN HARPER,[10] Supervising Teacher of English, Senior Division, Roosevelt High School.

A. B., College of Emporia; A. M., Columbia University; University of Chicago.

MARY HARRISON,[9] Instructor in Modern Languages.

B. L., Washburn College; University of California; Columbia University; University of Madrid; Centro de Estudios, Madrid, Spain.

GERTRUDE HATFIELD, Assistant Supervising Teacher of Primary Grades.

Kansas State Normal School.

MARTHA BATES HATFIELD, Instructor in Voice.

Herman Springer Studio; Ella Van Huff Studio; Kansas City Conservatory; Chicago Musical College; Cranston School of Music.

LOUISE HUGHES,[1] Instructor in Public-school Music.

Illinois Women's College; Kansas State Normal School; Summer School of Music, Lake Forest, Ill.

ALICE HURD,[1] Instructor in Violin.

Bethany College, Topeka; Kansas City Conservatory of Music.

MARY ELLEN ICKE, Supervising Teacher of Arithmetic, Intermediate Grades.

Kansas State Normal School; Ph. B., University of Chicago.

GRACE IRWIN, Instructor in English, and Y. W. C. A. Secretary.

A. B., Baker University; University of Chicago; University of Kansas; Y. W. C. A. Training School, New York City.

MABEL H. JOHNSON, Assistant Supervising Teacher in the Primary Grades.

Kansas State Normal School; University of Colorado.

GEORGE KEENAN, Instructor in Violin.

Paris Conservatoire; Conservatoire Nationale, Brussels; Pupil of Huguenin and Bertheliet, Paris; Cæsar Thomson, Brussels.

WILLIAM HEBER KELLER,[2] Instructor in Mathematics; and Supervising Teacher of Mathematics, Roosevelt High School.

A. B., Kansas State Normal School; University of Chicago.

ELIZABETH LIGARE, Instructor in Home Economics.
B. S., University of Wisconsin.

ANNA R. MANLEY,[5] Supervising Teacher of English; and Principal, Junior Division, Roosevelt High School.
A. B., University of Kansas; University of Chicago; University of Michigan.

MARY ELIZABETH MAUPIN,[9] Instructor in English.
A. B., Park College; University of Missouri.

MAUDE MINROW, Principal, Roosevelt High School; and Supervising Teacher of History, Senior Division, Roosevelt High School.
A. B., Kansas State Normal School; A. M., Columbia University; University of Chicago.

INEZ MORRIS,[5] Supervising Teacher of Mathematics, Junior Division, Roosevelt High School.
A. B., University of Kansas; University of Chicago.

MRS. LUCIE DE MONTOLIU,[9] Supervising Teacher of Modern Languages, Roosevelt High School.
Baccalauréat, Lycée Victor Duruy, Paris; Licencè és lettres, Sorbonne.

KATHERINE MORRISON, Supervising Teacher of Industrial Art and Drawing, Roosevelt High School.
B. S., Kansas State Normal School; Bradley Polytechnic, Peoria, Ill.; Columbia University; Diploma, School of Fine and Applied Arts, New York City.

MRS. ADAR NOLTE,[9] Supervising Teacher of History and Civics, Roosevelt High School.
B. S., Kansas State Normal School.

CHARLOTTE OLIN, Supervising Teacher of History and Civics, Roosevelt High School.
Ph. B., University of Akron; A. M., E. M., Columbia University.

MARY OSIA,[8] Supervising Teacher of Mathematics, Junior Division, Roosevelt High School.
A. B., University of Iowa; University of Chicago.

GENA OSTBY,[8] Instructor in Commerce.
A. B., University of Minnesota; Palmer School of Penmanship.

RALPH PAGE, Instructor in Voice.
Strassburger Conservatory, St. Louis; Kansas City Conservatory of Music; Pupil of Horace Dibble, Ottly Cranston and Chas. W. Clark.

ARDENE PHIFER,[4] Instructor in Piano.
Kansas City Conservatory of Music; Kansas State Agricultural College; Graduate, Cincinnati Conservatory of Music.

MARIE PIERSON, Instructor in Piano.
Supervisor's Diploma, Kansas State Normal School; Diploma in Piano, Kansas State Normal School; Studied with Silvio Scionto, American Conservatory of Music.

MARJORIE PRESTON,[8] Assistant Supervising Teacher of Elementary and General Science, Junior Division, Roosevelt High School.
B. S., University of Chicago.

HARRIET PRUTSMAN, Instructor in Piano.
A. B., Smith College; Pupil of H. D. Sleeper and Clarence Nixon; Pupil of Rudolph Ganz.

OLIVE REES,[1] Instructor in Art.
B. S., Kansas State Normal School; Prang Industrial Art School, Chicago.

TERESA RYAN, Instructor in English.
A. B., University of Wisconsin; A. M., Columbia University.

A. A. SCHABINGER, Coach of Basket Ball and Baseball; Instructor, Department of Men's Physical Education.
A. B., College of Emporia; B. P. E., Springfield (Mass.) Y. M. C. A. College.

PRESTON H. SCOTT,[8] Instructor in Public Speaking and English.
A. B., University of Michigan.

MARY I. SHIMONEK,[9] Supervising Teacher of Industrial Art and Drawing, Intermediate Grades.
Milwaukee Normal School; Northwestern University; Art Institute of Chicago; Thomas Training School, Detroit, Mich.

ELIZABETH SMITH, Supervising Teacher of Primary Grades.
Kansas State Normal School.

MAURINE SMITH, Instructor in Voice.
Supervisor's Diploma, Kansas State Normal School; Diploma in Voice, Kansas State Normal School; Studied with Herbert Witherspoon and Florence Hinkle of Chicago Musical College.

F. JAY SOUTH,[1] Instructor in Printing, and Supervisor of Printing in the Roosevelt High School.
B. S., Kansas State Normal School.

VIOLA SPENCER,[1] Instructor in Commerce.
Ph. B., Hamline University; University of Chicago.

PEARL STOCKTON,[9] Supervising Teacher of Mathematics, Senior Division, Roosevelt High School.
A. B., Vassar College.

E. ANNA STONE, Instructor in Piano.
College of Music, Cincinnati; Pupil of Louise Dunning, New York; Mrs. Crosby-Adams, Chicago; Effie Ellis Perfield, Chicago.

BERNICE TAYLOR, Instructor in Women's Physical Education.
Graduate, Sargent School of Physical Education.

W. A. VAN VORIS, Instructor in Science, and Supervising Teacher of Science, Roosevelt High School.
A. B., Kansas State Normal School; University of Chicago.

MAUDE BRUCE WALLACE,[9] Instructor in Public-school Music.
Illinois State Normal University; Bassett Conservatory of Music; American Institute of Normal Methods, Chicago.

F. G. WELCH, Instructor in Agriculture.
B. S., Kansas State Normal School; B. S., Kansas State Agricultural College.

JENNIE WILLIAMS, Head of Intermediate Grades, and Supervising Teacher of Geography.
A. B., Kansas State Normal School; University of Chicago; A. M., Teachers' College, Columbia University.

FLORA WILLMAN,[10] Instructor in Public-school Music.
Northwestern College; Graduate, School of Music, Chicago Musical College; B. M., Knupfer Studios, Chicago.

DALE ZELLER,[8] Supervising Teacher of English, Junior Division, Roosevelt High School.
B. S., Kirksville State Normal School; University of Wisconsin; University of Chicago.

Kellogg Library.

WILLIS H. KERR, Librarian; Professor of Library Science.

HARRIET ELCOCK. Head of Shelf Department; Instructor in Library Economy.
Kansas State Normal School; Minnesota State Education Department Summer Library Course.

ANITA HOSTETTER, Research Secretary; Instructor in Classification and Book Selection.
A. B., University of Kansas; B. L. S., University of Illinois.

FAYE HUFFMAN, Head of School and Children's Department; Instructor in Children's Literature.
Kansas State Normal School; Colorado Agricultural College Summer Library Course.

MRS. JESSIE W. LUTHER, Reference Librarian; Instructor in Library Methods and Reference Work.
State Normal School, Platteville, Wis.; University of Wisconsin; Graduate, University of Wisconsin Library School.

MILDRED PALMER, Assistant Cataloguer.
A. B., College of Emporia.

MAUDE E. SHORE, Head of Circulation Department; Instructor in Library Administration.
Kansas State Normal School; Colorado Agricultural College Summer Library Course.

FRIEDA K. WILLIAMS, Cataloguer; Instructor in Cataloguing.
A. B., University of Indiana; University of Michigan; University of Illinois Library School.

Office Assistants.

NETA BRIGGS,[12] Assistant to Bursar.
Kansas State Normal School.

MARY E. EDWARDS, Secretary to Director of Appointment Bureau.

CARL E. DENT, Secretary of Correspondence-study Department.
Kansas State Normal School.

ELLSWORTH DENT, Secretary to the Director of Bureau of Educational Measurements and Standards.
Kansas State Normal School.

FRANCIS LEE FRIEND,[13] Assistant to Bursar,
Kansas State Normal School.

MILDRED FRIEND,[14] Record Clerk.
Kansas State Normal School.

KATHERINE FULLER, Secretary to the Director of the Department of Music.
Kansas State Normal School.

ALBERT HARTMAN,[10] Assistant in Extension Division.
B. S., Kansas State Normal School.

BEATRICE HOOVER, Secretary to the President.
Kansas State Normal School.

MRS. MARY P. KIRTLAN, Nurse.
Graduate Arapahoe County Training School for Nurses, Denver; Kansas State Normal School.

FRANCIS SMITH, Assistant to Registrar.

C. H. HILL, Superintendent of Buildings and Grounds and Manager of the Cafeteria.

Additions for Summer 1921.

WILMA BALYEAT, Instructor in Art.
University of Chicago; Chicago Academy of Fine Arts.

CARL BOWMAN, Instructor in Public Speaking.
B. S., Kansas State Normal School.

ELIZABETH BROWN, Instructor in Biology and Geology.
B. S., Kansas State Normal School; University of Kansas.

LORRAINE BROWN, Instructor in Music.
A. B., B. Music, Heron College; Diploma, American Conservatory, Chicago.

ARTHUR G. BYRNS, Instructor in Modern Languages.
B. S., Purdue University; Julian Academy, Paris; M. A., University of Kansas; University of Chicago.

HAZEL F. BURNS, Instructor in English.
A. B., A. M., University of Nebraska; University of California.

LUCY DOUGHERTY, Instructor in Mathematics.
B. A., Washburn College; University of Chicago; University of Kansas.

ESSA LEA HAMILTON, Instructor in Art.
Graduate, Fargo College Academy and College Art Department; Graduate, Moorhead Normal.

JULIA LEE HAWKINS, Instructor in Mathematics.
B. S., University of Chicago.

CARRIE V. KNAPP, Instructor in Art.

J. H. LAWRENCE, Instructor in English.
A. B., A. M., Park College; Wooster University; Harvard University.

LORA LOCK, Instructor Women's Physical Education.
B. S., Kansas State Normal School; Harvard Summer School; Chicago Normal School of Dancing.

A. E. LUNCEFORD, Instructor in Rural School Administration.
B. S., Kansas State Normal School.

W. W. MCCONNELL, Instructor in History.
B. S., Kansas State Normal School; University of Kansas; University of Chicago.

F. A. MCNEIL, Library Assistant.
B. S., Kansas State Normal School.

HARRIET NEWTON, Instructor in English.
A. B., Miami University.

MRS. JENNIE B. MACKINTOSH, Instructor in Art.

H. S. MILLER, Instructor in Commerce.
M. C. S., Ohio Northern University; M. Acct., Southwestern Business College.

IRENE MILLER, Instructor in Home Economics.
B. S., Kansas State Agricultural College.

LENA P. MONROE, Instructor in English.
B. S., Kansas State Normal School.

E. C. POCOCK, Instructor in Commerce.
B. S., Kansas State Normal School; Valparaiso University.

FAITH SUMMERBELL, Instructor Women's Physical Education.
Graduate, Sargent School of Physical Education.

ETHEL M. SHORE, Instructor in Geography.
A. B., James Millikin University; State Normal University, Normal, Ill.

WAYNE F. SHAW, Instructor in Rural School Administration.
A. B., Kansas State Normal School; University of Kansas.

OLIVE TRAUTWEIN, Instructor in Public Speaking.

CONRAD VANDERVELDE, Instructor in Psychology.
A. B., Ripon College; A. M., Princeton University; B. D., Princeton Theological Seminary; University of Chicago.

CORA VAUGHN, Instructor in English.

THELMA WALLS, Instructor in Women's Physical Education.
B. S., Kansas State Normal School.

PEARL WEIDEMAN, Instructor in Music.
Pupil of Mr. and Mrs. Carl Busch.

J. R. WILKIE, Instructor in Psychology.
College of Emporia; A. B., Center College, Danville, Ky.; M. A., Princeton; University of Chicago.

The Kansas State Normal School.

Historical.

The State Normal School of Kansas was located at Emporia by act of the legislature passed in February, 1863; the legislature of 1864 provided for the appointment of a Board of Regents and the organization of the School; and the first appropriation bill, $1,000, for the salaries of teachers was approved February 29, 1864. The School opened its doors to students and began regular work in the upper room of a school building owned by the city of Emporia, February 15, 1865, with one teacher, L. B. Kellogg, and eighteen students.

The first building for the use of the School erected by the state was dedicated January 2, 1867; the first graduating class, consisting of two young women, was the class of 1867. Since that time the School has graduated more than 5,000 young men and women, and numbered probably 50,000 among its undergraduate students. Almost the entire number of these have engaged for a longer or shorter time in teaching in the schools of Kansas and of other states, and the influence of the School has been a positive and powerful factor in the educational life of the state during all the fifty-seven years of its history.

By the act of the legislature of 1901 the Normal School at Hays, and by the act of the legislature of 1903 the Normal School at Pittsburg, were established as auxiliary to the State Normal School at Emporia, and designated, respectively, "The Western Branch State Normal School" and "The Manual Training Auxiliary."

By act of the legislature of 1913 the management of these schools was placed in the hands of a Board of Educational Administration. By authority of the same act the Normal School at Hays was reorganized as the Fort Hays Kansas Normal School, and the Normal School at Pittsburg as the State Manual Training Normal School.

In 1917, by act of the legislature, the management of the State Normal School passed to a newly constituted Board of Administration, controlling all state institutions, educational, charitable and correctional. This board assumed its duties July 1, 1917.

Purpose.

The founders of the state, realizing the importance of free educational opportunities for its citizens, provided for a system of education whose broad foundation would consist of the public schools. In order to provide trained teachers for these schools the Kansas State Normal School was established in 1865, the task assigned to it being stated in the following words: "the instruction of persons, both male and female, in the art of teaching." Through the years the School has worked faithfully at this task. It has prepared, and still prepares, teachers for all grades of work from the kindergarten to the senior high school, inclusive. A careful estimate shows that fully 80 per cent of the School's efforts are expended in the preparation of teachers for grades. However, a survey made by another institution in the state, some five years ago, brought out the fact that the Kansas State Normal School had more teachers in the accredited high schools of the state than any other single institution.

Every department of public-school work is maintained in the Kansas State Normal School. Whenever a department has been added to the work done in the public schools of the state demanding preparation of teachers for a special line of work, the School has responded by offering courses designed to prepare teachers for such special positions. Art, music, manual training, home economics, commerce and agriculture have been added to meet the demands made upon the School by the public schools of the state. In a word, the

School has sought at all times to keep fully abreast of the progress in education. But in keeping up with the new in education, the School has been mindful at all times of the importance of the fundamentals upon which all education of a formal character is based, namely, history, science, mathematics, language, the social sciences, and other subjects related to these important departments of learning. The School has never been better equipped for serving the State in the preparation of teachers than it is at this time. Its doors stand open at all times for the young men and women of the state who desire to prepare themselves to teach in the public schools.

Location.

Emporia is a city of 12,000 inhabitants, situated between the Neosho and Cottonwood rivers, in a beautiful and healthful location, easily accessible from all parts of the state by the main line and three branches of the Atchison, Topeka & Santa Fe railway, and a branch of the Missouri, Kansas & Texas railway.

Emporia combines ideally the characteristics of a model school town. It is a good business city in the center of a prosperous agricultural community. Its comfortable homes, its public buildings and its numerous schools and churches are external evidence of the spirit of the community. The educational and moral tone of the community is wholesome and helpful in the highest degree.

Students find a cordial welcome to their church homes in the various places of worship in the city, and find places for room and board with congenial surroundings where the moral safeguards are the very best. Many families in the city are particularly identified with the life of the School because they have been especially attracted to Emporia as a place of residence by its educational opportunities.

Buildings and Grounds.

The Normal School grounds are located immediately adjacent to the city, at the north end of Commercial street, the leading business street of Emporia. The original campus of twenty acres has been enlarged by successive purchases, so that it now includes about thirty-five acres, including one of the most satisfactory and best-equipped athletic fields in the state. The group of buildings includes:

Preston B. Plumb Memorial Hall.

The administration and main recitation building was completed in 1917 at a cost of $225,000. It is T-shaped, with the broad arm in front, facing the head of Commercial street, 450 feet north of Twelfth avenue. The dimensions are as follows: Main wing, 268 feet front, 82 feet side; rear wing (auditorium), 96 feet front, 113 feet deep. The materials are brick and stone, with reinforced-concrete floors throughout the four stories. The building provides eighty-five class and office rooms, three rest rooms and two check rooms. The auditorium, Albert Taylor Hall, is entered from the main rotunda, seats 2,000 people, and is provided with ample stage and orchestra facilities.

Kellogg Library.

The Kellogg Library, completed in 1903 and named in honor of Lyman Beecher Kellogg, first president of the School, is an attractive building, well adapted to the purposes of a modern educational library. On the first floor are the children's and school departments, the cataloguing rooms, and the library offices. On the second floor are the main reading room, reference department, the loan desk, the stacks, and the newspaper room. The library collections and special features are described below.

Training School Building.

This building, completed in 1905, is arranged especially for practice teaching, and contains accommodations for the kindergarten and the six grades of the elementary school. It is well equipped with play room, manual training, kindergarten, kitchen and ample playgrounds. It is notable for its good light and ample ventilation. Valuable and appropriate pictures are on the walls. Its equipment is being added to from year to year.

Norton Science Hall.

Norton Science Hall was completed in 1907 and named in honor of Henry B. Norton, first teacher of natural science in the School, and associate principal under L. B. Kellogg. Modern laboratories and lecture rooms, equipped with the best scientific apparatus, are provided for the science work. The museum is rich in specimens illustrating the various lines of biological science.

Gymnasium and Athletic Field.

The gymnasium, completed in 1910, is designed exclusively for the Department of Physical Education. The basement is almost entirely above ground, allowing plenty of light and direct ventilation. The building is in every respect modern. It is equipped with dressing rooms, steel lockers, shower baths and a swimming pool. The first floor, which is 185 by 66 feet in size, is divided by a rolling partition into two gymnasiums. One of these rooms is fitted for basket ball, baseball and other indoor games. The second floor has an exercise room equipped with all modern gymnasium apparatus. The especially attractive feature of the building is the large basket-ball and exhibition rooms, which, with its visitors' gallery, provides ample room for spectators.

Adjoining the gymnasium is one of the best athletic fields in the state. The field is thoroughly tiled and drained, and provides a quarter-mile cinder running track, with a 220-yard straightaway. On the campus are two football gridirons, three baseball diamonds, tennis courts, a children's playground, and a well-kept space for girls' athletic sports. The size and excellent equipment of the gymnasium, together with the variety of outdoor athletic possibilities and the large staff of expert teachers and coaches, enables the Normal to train specialists for athletic and playground work.

Music Hall.

This building contains private studios for instructors in instrumental and violin music, recitation rooms for classes in theory and harmony, and an office. The overcrowded condition makes necessary the use of other buildings for music instruction.

Memorial Union, to be Erected in 1923.

This building will be a social center for students and faculty; a place where everybody can find everybody else. The Union will contain quarters for returning alumni and former students; provide rooms for games, social gatherings, student organizations, class and club meetings, private sewing and laundry; and furnish everything necessary for the health, comfort and convenience of a large student body and large faculty. This building, when completed, will be a kind possessed by few colleges or universities in the country.

Women's Dormitory.

The legislature of 1921 appropriated $93,750 for a women's dormitory. It is planned to erect this building in the near future. The dormitory will provide accommodations especially planned for the needs of student life where young women may be trained in the habits of study and of simple, dignified and orderly living.

The Emergency Hospital.

The hospital is provided with equipment necessary for the emergency care of the students. A trained nurse is in charge. A small fee is required of all students for meeting the expenses of the nurse. Precautionary and preventive measures have checked epidemics and conserved health.

The Cafeteria.

The cafeteria was erected in 1918 out of material from the old administration building. The cafeteria building houses the Home Economics Department and the cafeteria, managed by the School for the students and Faculty.

The Heating, Power and Light Plant.

The plant is situated in the rear of the other buildings. It is equipped with modern boilers and engines, which furnish heat, power and light for all the buildings.

Kellogg Library.

The Kellogg Library building is described in connection with "Buildings and Grounds."

Kellogg Library has 49,325 classified and catalogued volumes, 4,100 bound and catalogued pamphlets, and 18,500 unbound classified pamphlets. All material in the library is available either through classification and filing or through the catalogue. The annual accessions average 3,000 volumes. More than 325 periodicals of educational and general interest are received and preserved. Kansas county and city newspapers are received regularly and are available to students. The library is open for use 75 hours each week; the average hourly attendance of readers is 125. The staff consists of eight trained library workers.

Some special features of Kellogg Library are:

Reference Department. Here is an unusually strong equipment of up-to-date book tools—keys to all other books. In vertical file, instantly available by topic, are thousands of newspaper and magazine clippings, affording material not elsewhere available. Also in vertical file are reading and reference lists on several thousand topics, suggesting best sources of information. Government documents and pamphlets are systematically filed, indexed and available. Education documents, state and city reports and courses of study are received from all parts of the country and listed and classified. The files of bound periodicals in the magazine stack are unusually comprehensive.

School Department. This is a model public-school library in selection, equipment, and atmosphere. It occupies three rooms on the first floor of the Kellogg Library. It has its own librarian and assistant, its own catalogue, and more than three thousand recommended books. Its collection of several thousand mounted pictures, filed by topics in vertical file, its post-card collection and its lantern-slide collection are in constant use. Its facilities are eagerly used by pupils of the Elementary Training School, practice and supervision teachers, and visiting teachers and parents.

Mail Service. Kellogg Library began its mail-loan service in January, 1913. Books, pamphlets and clippings are sent by parcel post to responsible parties for school debates, orations and essays, for papers and addresses by teachers and school officers, for papers by club women, and for correspondence-study courses conducted by the School. These loans average about 1,500 packages a year. Research work on important topics is done and information copied and sent by mail. Many questions on library organization are answered, and the librarian and assistants make addresses or visit libraries for advisory purposes.

Extension Division.

All phases of extension work done by the Kansas State Normal School, except the library mail service, are centralized in the Extension Division. The division consists of the following departments:

Appointment Bureau.

This bureau is managed jointly by the institution and the Alumni Association through a board of seven members. The registration in the bureau is twenty-four hundred, and from this number candidates for every line of school work can be selected. Those enrolled are carefully catalogued and classified, so that recommendations may be quickly made. Information concerning candidates is in every case to be returned to the bureau. The Appointment Bureau insures more certain placing of teachers at graduation and more rapid advancement of those in the field. It provides a systematic method for getting school boards and teachers together. It keeps on file complete and accurate reports as to the success of its teachers. It sends out teachers almost every week in the year.

Correspondence-study Department.

The State Normal School is doing a constantly increasing amount of work in correspondence study. Work by correspondence is offered in practically every department of instruction. A fee of $15 per year is required. This work is all outlined in a special catalogue, which may be had for the asking. This department enables students to make progress whether they can attend school or not.

In conjunction with the work in correspondence study provision is made for the organization of study classes, to be conducted by members of the Faculty. A number of such classes have been organized over the state. Those who complete satisfactory work are given credit which counts toward graduation just the same as work done in residence. Several such classes are at work this year.

Extension-study Credit.

College credit for correspondence study and other forms of extension study will be granted only to students who have submitted to the registrar sufficient work from an accredited high school, or from examination, to meet college entrance requirements, and have been admitted to college work. Grades of other persons will be filed merely, and not entered on the record. They will be recorded, or transcribed, when this requirement is satisfied.

Not more than fifty per cent of the requirement for any certificate or diploma may be satisfied with credit earned in this way. Any amount of high-school work may be done by correspondence. This in no way operates to reduce residence requirements stated elsewhere.

Bureau of Educational Measurements and Standards.

This bureau was established by the Board of Educational Administration for the purpose of assisting superintendents and teachers in applying measurements and standards in the public schools of the state. In fulfilling this function a large quantity of valuable data accumulates in the office of this bureau. These data are available to students for the study of educational problems. The bureau also distributes at cost all standard tests in use in this country.

Department of Visual Education.

Through the coöperation of the National Bureau of Commercial Economics and the industrial organizations of the country, this department has collected a valuable library of motion-picture films. The department has a well-equipped laboratory for the manufacture of lantern slides. The large collection of lantern slides is being increased constantly. Carefully classified collections of stereographs and prints are being made. This material, with descrip-

tive lectures or syllabi, is sent out upon request, free of charge, to schools, churches, clubs and civic organizations.

In addition to the work in the field the department operates a motion-picture theater upon the campus and carries on extensive experiments in visual education in the various classes of the Training School, High School and Normal School.

Rural School Bureau.

The Rural School Bureau is in charge of a board of eight members, each of whom is intimately acquainted with some phase of the work in rural schools. Its chairman is the professor of rural-school administration. The board makes plans in the interest of rural schools and the clerical force of the division sees that they are carried out. Special helps of various kinds are being furnished to rural schools, and through coöperation with county superintendents and several hundred rural teachers plans for bettering the programs and teaching of various subjects are being tried out.

Publicity.

The dissemination of all news of the School and all publications, such as its magazine, *Teaching,* and the various special bulletins, is provided by the Publicity Department, under the general direction of the Publicity Committee of the Faculty.

Public School Service.

The Department of Public School Service seeks to place all departments of this institution in coöperation with the superintendents of the state who wish to better their schools in instruction, equipment and organization, and its representatives, so far as time permits, will be available for calls for visitation and conference. This department also offers lectures and entertainments to the communities of Kansas. Teachers' associations, parents' meetings, social centers, men's clubs, women's clubs and other organizations can select to advantage from the list of lectures and entertainments offered. Special attention is given high-school plays and public-speaking work in high school.

School Consolidation.

The Department of School Consolidation was made necessary by the rapid sweep of consolidation over Kansas. This department prepares and distributes maps and pamphlets concerning the work of the consolidated schools. It is ready at all times to give advice as to the proper organization of consolidated districts. All such information may be had by writing the department.

Alumni Organizations.

The Alumni Department takes care of all alumni meetings and records, publishes an alumni catalogue and the *Alumni Quarterly,* manages the property of the association, and serves as general alumni headquarters every day in the year.

Inquiries concerning any of these phases of extension work should be addressed to Extension Division, Kansas State Normal, Emporia, Kansas.

The Training Schools.

Student Teaching.* The Kansas State Normal School maintains the Elementary School and the Roosevelt High School, junior and senior divisions, to provide opportunities for demonstration teaching by skilled teachers, and opportunities for supervised student teaching. Here under actual school conditions students do their practice teaching. For students who have had previous teaching experience these schools also provide opportunities for experimental work. By special agreements, student teaching may be done in the city schools of Emporia and also in certain rural centers.

* See "Prerequisites and Requirements for Student Teaching," *post.*

The director of teacher training has general charge of all student teaching except in certain rural centers, which is directed by the professor of rural-school administration.

The Elementary School. This school consists of three divisions, viz: kindergarten; primary grades, including the first three grades; and the intermediate grades, including the fourth, fifth, and sixth grades. The student teacher in any one of these divisions works under the immediate direction of the supervisors of the division. In order that the work of the kindergarten and primary grades may be closely related the head of the latter division is also the general administrative head of the former. However, the details of instruction and training in the kindergarten are conducted by a head supervising teacher, together with one assistant supervising teacher and a supervisor of music. The work of the primary grades is conducted by one head supervising teacher, four assistant supervising teachers, a supervisor of music, and a physical-training supervisor.

The work of the intermediate grades is directed by one head supervising teacher, four supervising teachers, a supervisor of music, and two of physical training.

Junior Division of the Roosevelt High School. This division consists of seventh, eighth and ninth grades. It has a principal who is also the principal of the senior division. The principal, together with the supervisors of mathematics, history and civics, elementary and general science and English, have general charge of the management and discipline. In addition to the special supervisors named for the intermediate grades (*i. e.*, supervisors who are not room-charge supervisors), there are supervisors of foreign languages (at present French and Latin), manual training, household arts, agriculture, drawing, commerce, and orchestra. These supervisors direct the work of the student teachers.

Senior Division of the Roosevelt High School. This division consists of the tenth, eleventh and twelfth grades, and is presided over by a principal and a full corps of teachers and supervisors.

City Schools. The director of teacher training, coöperating with the city superintendent of schools, chooses the teachers, who supervise the student teaching and have general charge of the work. The director of teacher training may send any of the principals or supervisors of the training schools to the city schools to assist him in directing the work of student teaching. Students without teaching experience do part of their teaching in city schools to learn the regular routine procedures which are not provided in the Training Schools. The Training Schools, especially the Elementary School and the junior division of the Roosevelt High School, are becoming semiexperimental, and are better adapted to the needs of student teachers who have had some teaching experience. The student teachers in the city schools are known as "teaching apprentices."

Rural-school Centers. Agreements are made with boards of education of certain neighboring rural schools and small town schools to furnish teaching facilities for students who are preparing to teach in small towns and rural schools. This work is directed by the professor of rural education, coöperating with the director of teacher training. The general plan of this work is to select a small town as a rural-school center. A supervisor has charge of all student teaching in the town and in the rural schools included in the group. The professor of rural education makes frequent trips to this group of schools to direct the work of student teaching. The present arrangement requires that each student devote her undivided attention and effort for one month to this work, for which she receives four hours of the six hours credit in teaching required for the life certificate. The other two hours are taken afterwards in the Training Schools.

Kellogg Library, especially in its children's room, coöperates with the supervisors and student teachers of the Training Schools in library research and guidance in reading.

The Bureau of Educational Standards and Measurements works in close coöperation with the supervisors of the Training Schools in testing the results of instruction and in initiating new tests.

Publications.

The General Catalogue of the Kansas State Normal School is published in five parts, as follows: Part I, General Information; Part II, College Courses, giving detailed information about the courses; Part III, The School of Music; Part IV, The Roosevelt High School, Junior and Senior Divisions; Part V, Directory of Students and Faculty.

In addition to the General Catalogue, the following publications are issued by the Kansas State Normal School:

Teaching, a magazine published monthly, is devoted to all phases of educational and teacher-training work. Five thousand copies of each edition are distributed to teachers and school officers of Kansas. Each issue is devoted to some special educational topic. The magazine is sent free of charge to anyone in the state of Kansas.

The Summer School Catalogue is issued yearly, in the spring for the Summer School following. This catalogue is sent upon request.

The Correspondence-study Catalogue, issued each year by the Extension Division, contains full information concerning courses, fees, time, etc., in correspondence work. This catalogue is sent free to anyone upon request.

The Extension Catalogue, issued annually by the Extension Division, contains full information regarding lectures, lyceum courses and special features of various kinds provided by the State Normal School.

The Alumni Catalogue is issued by the Extension Division, and contains a register of alumni as well as other information concerning the School and the Alumni Association. It may be had for the asking.

The Sunflower, the yearbook of the School, is published by the student body and distributed through the annual staff.

The State Normal Bulletin, issued weekly during the regular school year and semiweekly during the Summer School, is published by the classes in newspaper English.

Chapel.

Chapel exercises are held at 10 o'clock on Mondays and Fridays.

Board and Room.

Board in clubs costs from $5 to $6 a week. Those who board themselves reduce the cost somewhat. The rate in coöperative boarding clubs varies from $4.50 to $5 a week. A cafeteria operated by the institution is located on the campus. Students may secure board here at nominal prices.

Rooms may be had at from $8 to $20 a month, for two students in a room, according to size and conveniences. The institution cannot assume the responsibility of reserving rooms, but it furnishes lists of approved rooms. A standing rule of the Normal School requires men and women to room in separate houses.

The dean of women has direct supervision of the rooming-house facilities for women. All rooms offered for use by women students are carefully inspected and a record made of the conveniences offered, and also of the hygienic conditions, both inside and outside the house, which might have a bearing upon the student's health. The location and the price asked for each room are carefully tabulated, and the list of approved rooms may be had by women students at any time on application to the office of the dean of women.

The list of men's rooming houses is kept at the Normal Y. M. C. A. office. Rooms must not be selected which are not found on these approved lists.

as the School has full power to require a student to move from a location which does not come up to every reasonable requirement of the School. The boarding clubs are visited occasionally.

Students should report all complaints in regard to accommodations, insanitary conditions or contagious disease. Cases of contagious diseases should be reported to the nurse at the emergency hospital. Complaints of women as to housing conditions should be registered with the dean of women, and of men with the dean of the School.

Supervision of Student Life (Women).

The dean of women has special charge of the comfort, health, scholarship and social relations of the young women of the institution.

At present the School has no halls of residence for women, but suitable homes are provided by private families of Emporia. These rooms are inspected, and although responsibility for them cannot be assumed by the institution, they are placed on an approved list. By a rule of the institution, women students may room only in such houses as accommodate women exclusively, and which provide a parlor for the reception of visitors. Women students may room in other houses only by the permission of the dean of women. The first dormitory for women is now in process of erection.

A change in rooming place must not be made by any young women without permission of the dean of women.

All social events must be registered in the dean's office. Excuses for absences must be presented to her. Women students leaving town must report the same to her. Should a projected trip involve absence from class, permission must be obtained from her. Correspondence with inquiring parents and guardians is desired.

Supervision of Student Life (Men).

The dean of men keeps office hours for conference with the men of the institution. Men must present excuse for absence to him as soon as possible after the absence occurs. He has general charge also of employment for men and of the regulation of rooms for men, and should be consulted regarding change of rooming place.

Employment for Students.

Students who desire to earn all or part of their expenses while in school may be able to secure employment of different kinds through the offices of the Y. M. C. A. secretary and the extension office, who are in charge of the Normal employment bureau.

Men students receive from thirty to forty cents an hour for the following kinds of work: Janitor service in buildings and on grounds of the Normal School, making gardens, cleaning and improving yards, caring for live stock, house cleaning, clerking, office work, etc.

Women students receive from thirty to thirty-five cents an hour for the following kinds of service: General housework, care of children, sewing, clerking, ironing, office work, etc.

Full board or board and room for both men and women may sometimes be obtained in return for steward service at student boarding clubs, waiting on table, washing dishes, cleaning, etc., or for the equivalent of from three to four hours a day in private families. Persons desiring student help usually require an interview with students.

The Normal Loan Funds.

The Students' Loan Fund.

The class of 1899 made a gift of $111.60 to be used as a fund for aiding students. The fund was put in the care of a board of trust composed of the president, vice president and the head of the Department of Physics and Chemistry. Students who are within one year of graduation have preference in securing loans. When their needs have been met other students may secure loans in order of seniority. The plan proved to be satisfactory, and several other classes have added to the fund.

The Chandler Loan Fund.

In 1917 Mr. and Mrs. C. Q. Chandler, of Wichita, Kan., offered to give $500 toward a new fund, provided the institution raised a like amount. The conditions suggested by the donors have been met thus far. Students, alumni and other friends of the School are earnestly solicited to contribute to this fund in order that the full amount may be available at an early date. This fund has been named "the Chandler loan fund," in honor of the donors.

The Carlson Memorial Loan Fund.

To perpetuate the memory of Augusta Carlson, a former teacher of Marshall county, who died in 1918, the teachers of that county have established a loan fund of $100, to be contributed in small amounts until the maximum has been fully raised. This fund is known as "the Carlson memorial loan fund."

Value of the Loan Funds March 3, 1922.

Students' loan fund	$2,853.65
Chandler loan fund	378.94
Carlson memorial loan fund	35.00
Total loan funds	$3,267.59

This report does not include interest due and unpaid March 3, 1922. The making of loans is in the hands of a committee, of which Prof. James W. Mayberry is treasurer. Students interested should inquire of him.

Student Societies and Clubs.

The Young Men's Christian Association is a valuable asset to student life. Questions regarding room, board, self-help, etc., are answered so far as possible, and members of the association meet any prospective students who inform the organization when they expect to arrive in Emporia. Address correspondence to the president of the Normal Y. M. C. A.

The Young Women's Christian Association has for its purpose not only to train young women while in School in methods of service, but to fit them for greater usefulness when they leave School. The work is carried on by committees under the direction of a cabinet chosen from the membership, and the general secretary, who is employed for full time. Some of the important features of the work are: the rest room; an employment bureau; the meeting of new students at the trains and the helping of them to become acquainted through social occasions and calls; Bible study and mission study; vesper services; and calls on sick girls. The general secretary is very glad to answer any correspondence in regard to work, plans or anything that may be helpful to a new student.

The Alice Freeman Palmer Society is a literary society composed of thirty girls chosen from classes above the freshman class. The society meets weekly, on Saturday, with an occasional social meeting.

The Alphathenian Society was organized in the fall of 1921 to create an interest in the study of modern writers and to promote the social life of its

members. Thirty women, chosen from the lower classes, compose the membership.

The Chorus consists of 150 members. The students enrolled receive college credit for their work. Prof. F. A. Beach is conductor.

The College Girls' Glee Club is open to all college women, whether registered in the Music Department or not. Two periods a week are devoted to the practice of choruses, chosen with the object of acquainting the members with material suitable for use later in their own work as teachers. Public performances are given from time to time.

The Commerce Club is open to students enrolled in the Commerce Department or interested in business subjects. Its purposes are to broaden its members in their knowledge of business matters and to promote among them a spirit of good fellowship. The regular meetings are held on the second and fourth Tuesdays of each month.

The Entre Nous Society is a social organization, founded in 1917, limited to thirty women who have been in School at least one semester. The purpose is to furnish social recreation, to encourage scholarship, and to further interest in all School activities.

The Gilson Players. While there is no regularly organized dramatic club in the Kansas State Normal, plays are put on frequently by various organizations, so that many students have opportunity for practical work in dramatics. The Gilson Players are a group of students and Faculty members from the Department of Public Speaking and Expression, chosen by the head of the department. They present plays in many towns of Kansas, their purpose being to give advanced training in play producing to those who merit it, and to present standard drama in towns seldom visited by good professional companies.

The History and Government Club is for students who are interested particularly in the study of history and government. Its aim is to draw the students through this special interest into closer social and intellectual union. The study of some historical theme is pursued throughout the year. The students themselves take a large part in the presentation and discussion of the subject. The club meets on the first and third Tuesdays of each month.

The Home Economics Club is for all students interested in home economics. Meetings are held the third Tuesday in each month. Each semester the members select a topic of interest to all, upon which they work out programs worth while for their practical, social, and cultural values.

The K Club is composed of men who have won the honor "K" in athletics. Its purpose is to better the athletic interests of the School and attract men to the School in a legitimate way.

Kappa Delta Pi, a national honorary scholarship fraternity, with fifteen chapters in university schools of education and state teachers' colleges, was founded at the University of Illinois in 1911. Iota chapter was installed at Kansas State Normal School on March 15, 1920. Election to membership, confined usually to seniors, is based upon scholarship, character, social leadership and professional promise.

The K. S. N. Glee Club is composed of men who are interested in part singing. Members are chosen strictly on the competitive basis. The home concert is given annually in Albert Taylor Hall. The program consists of male choruses, quartets and solos, with a second part of an entertaining dramatic character.

The Latin Club is for the benefit of students enrolled in the Latin Department and others who may be interested in the study or teaching of Latin. It meets on the second and fourth Wednesdays of each month. The programs consist of papers, reports, dialogues, scenes from standard Latin authors, and short plays given by the students. Frequent addresses and lantern talks are given by the instructors and other members of the Faculty.

Le Cercle Francais is open to all students of French in the college and to others specially interested in French. It meets the second and fourth Wednesdays in each month of the regular School year. Its objects are a wider acquaintance with France and the French people, reports on themes of interest, opportunity for free conversation in French by means of games, etc., and the experience of belonging to and working in a club such as is needed in high-school work.

The Mathematics Club is for students whose major subject is mathematics and who are especially interested in the current literature regarding the history and the teaching of mathematics. Its membership is restricted to those having full collegiate standing. The meetings are held the second Wednesday evening of each month.

The Newman Club (1913) is an organization of Catholic students of the School, for social purposes and for the study of some subjects of especial interest to the members. Membership is open to any student who may wish to join.

The Normal Band contains thirty instruments played by students, who receive regular college credit for their work. The band plays at athletic events and at social events during the year. The annual concert is given in Albert Taylor Hall.

The Omega Society, the oldest women's society in the School (1902), was organized for special training in literary research and debate. The society has stood for the best of all School activities, and has swerved from its original purpose only in so far as debate is no longer emphasized. Aside from its literary and educational activities it engages in many social activities.

The Orchestra has full instrumentation in the forty instruments, played by students of the college department and a few Emporia people. The students enrolled in orchestra receive college credit for the work. An annual concert is given, directed by Mr. George Keenan, the instructor in stringed instruments. The orchestra accompanies the chorus and the opera work of the School and plays at chapel and many social functions during the year.

Pi Kappa Delta (Kansas Zeta chapter) is a national fraternity composed of men who have represented the Normal School in debate or oratory. It was organized in 1917. The purpose is to further the interests of all forms of public address.

The Psychology Club is composed of members of the Faculty, advanced students and townspeople. The only qualification for membership is an interest in psychology. The club meets twice a month.

The Sphinx Club, organized in 1919, is composed of thirty women especially interested in the works of present-day writers and in the tendency of modern literature. Each semester the club takes up a type of work, such as the novel, the drama, poetry, or critics and their criticisms. The meetings are held the second and fourth Tuesdays of each month.

The Student Alumni Council, composed of twelve students representing the four college classes and seven alumni representatives, coöperates with the School authorities in the regulation of social activities and School enterprises. It appoints the board of control of the *State Normal Bulletin,* and plans the programs for Home-Coming Day and Founders' Day.

The Treble Clef Club is a double quartet of women's voices picked from the best in the School of Music, preference being given to students of public-school music. The purpose is the study of part songs and their artistic presentation. The instructor is Miss Strouse.

The Woman's Athletic Association is open to every woman in School. It was organized to promote women's athletics by encouraging sports and gymnastics, and drawing the members through this special interest into closer social union.

The Woman's Physical Training Club is open to all women majoring or minoring in the Physical Training Department. The purpose is to promote

interest in physical education, to give the members higher and broader ideals of their work, and to further their social activities.

Zeta Kappa Psi. Kansas Epsilon chapter of this national forensic sorority for women was organized at the Kansas State Normal School in 1921. Only women who have represented the School in intercollegiate debate or oratory are eligible to membership. The purpose is to stimulate interest in the forensic arts among the women of the School.

Five Dates for Entrance.

The Kansas State Normal School offers residence class work throughout the year, with five dates for entrance. On each of these dates new classes are opened.

The Regular Year. The regular year is divided into two semesters of eighteen weeks each. The first semester begins early in September (on September 11 in 1922). The second semester begins the latter part of January (on January 25 in 1923). A student is permitted to enroll for sixteen hours of credit each semester.

Spring Term. The spring term, beginning the latter part of March, is a session of eight weeks of six school days, or one-half semester. A student may earn eight hours of credit during the spring term.

Summer School. The Summer School of twelve weeks, six school days a week, is divided into two terms. The first term of eight weeks begins about the first of June (on June 25 in 1923). The amount of credit that may be earned in this term is eight hours. The second term of the Summer School begins the latter part of July and continues for four weeks. A student may enroll for four hours of credit in this term.

The spring term and the first term of the Summer School taken together constitute a full semester of eighteen school weeks. This combination enables teachers whose schools close about the first of April to complete a half year of college work without remaining for the August term of the Summer School.

For announcements of the spring term and the Summer School write to the registrar.

Admission.

Credentials and inquiries relating to admission and to certificate and degree requirements should be addressed to the registrar, Kansas State Normal School, Emporia, Kan.

Admission by Certificate of Graduation.

The requirements for admission of graduates of accredited high schools in Kansas to the Kansas State Normal School have been fixed by legislative enactment, which by section 8875, General Statutes of 1915, provides that:

"Any person who shall complete a four-year course of study in any high school accredited by the State Board of Education shall be entitled to admission to the freshman class of the State University, the State Agricultural College or any of the State Normal Schools on presenting a statement containing a transcript of his high-school record signed by the principal of the school and certifying that such person has satisfactorily completed said course of study."

Transcript of Record. An applicant for admission to the Kansas State Normal School should ask the principal of the high school he attended to send to the registrar, on blanks furnished for this purpose, a transcript of his high-school record, which must show the name of each course, the number of weeks given it, the number of recitation or laboratory hours per week, the length of these hours, the final grade, the duration of time spent in the school

attended, and the date of graduation. This information should be sent as early as May 20 if the applicant desires to enter Summer School and as early as August 15 if the applicant desires to enter in September. A checking is made of the work submitted, and an admission card is sent to the student, when time permits, enabling him to know in advance of entrance his classification and standing.

The principal should be asked to make use of the uniform blank in the transfer of credits. The registrar will furnish additional blanks. *Monthly or yearly report cards or diplomas are not acceptable.*

An applicant for admission who fails to submit his credentials in time for checking before the time for registration is subject to delay. Such applicants are admitted only as visitors until acceptable credentials have been submitted.

It is always of advantage to any student, as well as to his principal, if a transcript of the student's record is made up and mailed before the close of the school year. It is difficult, if not impossible, for the principal who is away on his vacation to comply with a request for this information.

Nonresidents. Any applicant for admission who is a graduate of a high school in another state will be admitted to freshman courses if the high school is accredited by the state university or by the state department of education of that state.

Admission for Others Than High-school Graduates.

An applicant for admission who is not a graduate of an accredited high school is required to submit fifteen approved *units* of entrance credit. The *unit* is the measure of high-school work and credit. A high-school course that continues through the school year of thirty-six weeks, with five classroom periods of fifty minutes, gives one unit of credit. In laboratory courses the number of weeks and the period is the same as in other courses, with three classroom periods and two double laboratory periods per week.

Entrance Examinations. An applicant who cannot submit fifteen acceptable units is required to pass examinations in the subjects in which he lacks entrance credits. Entrance examinations are conducted twice yearly, in May and September. Dates for these examinations are indicated in the school calendar. Persons interested should inquire of the registrar.

Subjects Accepted for Admission.

The subjects in which entrance units may be offered and the minimum and maximum units that may be offered in each subject are as follows:

English:

Required: English, 3 units.
May be submitted: Composition and Rhetoric, and Literature, 4 units.

Mathematics:

Required: Algebra, 1 unit; Geometry, 1 unit.
May be submitted: Algebra, 1½ units; Plane Geometry, 1 unit; Solid Geometry, ½ unit; Trigonometry, ½ unit; Arithmetic, ½ or 1 unit.

Foreign Languages:

Required: No requirement, but see requirements for degree of Bachelor of Science in Education.
May be submitted: Latin, 1 or more units; German, 1 or more units; Spanish, 1 or more units; French, 1 or more units.

Science:

Required: 1 unit in one science.
May be submitted: Physics, 1 unit; Chemistry, 1 unit; Physical Geography, ½ or 1 unit; Botany, 1 unit; Agriculture, 1 unit; General Biology, 1 unit; Physiology, ½ or 1 unit; Elementary Science, ½ or 1 unit.

History and Government:

Required: History, 1 unit.
May be submitted: Greek and Roman History, 1 unit; Medieval and Modern History, 1 unit; English History, 1 unit; American History, 1 unit; Civics, ½ or 1 unit; Economics, ½ or 1 unit.

MISCELLANEOUS:

May be submitted: Psychology, ½ or 1 unit; Methods of Teaching and School Management, ½ or 1 unit; Bookkeeping, 1 to 2 units; Commercial Law, 1 unit; Commercial Geography, ½ unit; Manual Training, 1 to 2 units; Drawing, ½ or 1 unit; Domestic Science or Art, 1 unit; Music, 1 unit; Shorthand, 1 to 2 units; Typewriting, 1 to 2 units.

Admission as an Unclassified Student.

An applicant who is not a candidate for a certificate or diploma and who has the maturity and experience and approval described below, although he is unable to meet college entrance requirements, is admitted to college courses under the following regulations:

1. An applicant for admission as an unclassified student must be at least twenty-one years of age and have as much as three years of successful teaching experience.

2. The written approval of the head of the department in which college work is desired must be presented to the registrar, who furnishes an application card for this purpose.

3. An unclassified student is subject to the usual requirements governing amount of work, prerequisite courses, hours of preparation, hours of classroom and laboratory work, examinations, and physical training. An unclassified student who proves unable to carry satisfactorily the work to which he has been admitted will be required to take work of lower grade.

4. By virtue of his classification, an unclassified student is not eligible for any certificate or diploma. He may ultimately become a candidate, however, by completing the full amount of work for college entrance.

5. The admission of an unclassified student is for one semester (or term) only. Readmission is refused if creditable work has not been done.

Admission to Advanced Standing.

The following regulations governing admission to advanced standing are administered by a committee which examines into the merits of each case presented to it. Credit given depends on the individual case.

1. Application for advanced standing must be made at the time of entrance.

2. A transcript of record must be submitted, indicating the name of each course, the number of weeks given to it, the number of recitation or laboratory hours per week, the length of these hours, the final grades, the duration of time spent in the institution attended, the degree conferred, if any, with date, and the status of the student.

3. Advanced standing is not given for work done during a four-year course of study in high school, academy or other preparatory school. College credit for work done in preparatory schools is given upon examination only, and only for work done after graduation.

4. The maximum of advanced standing for junior college course of study is sixty semester hours. Such work is rated only as junior college work, *i. e.*, courses numbered from 1 to 49, inclusive. The maximum of advanced standing for work done during a four-year college course is ninety hours, except in cases where the candidate elects to meet the residence requirement in the three summer terms for a degree, in which case the maximum advanced standing is ninety-six hours.

5. No credit is allowed for irregular educational work, such as teaching in institutes, nor for high grades on certificates, nor shall successful educational experience constitute a presumptive claim for advanced standing.

6. Examinations for advanced standing may be given to applicants who have had systematic courses in an approved college, but who cannot furnish satisfactory credentials. The Committee on Advanced Standing determines the total credit so obtained and the subjects upon which the examinations are given. No student is allowed to take an examination for advanced standing until he has secured a properly certified permit from the chairman of this

committee. No examination is given to a student in subjects in which he has received conditions or failures in other colleges.

7. All advanced-standing credit is provisional and may be withdrawn if the student's record does not justify the credit given. The credit given does not become permanent until the student has satisfactorily completed at least a semester's work.

All inquiries concerning advanced standing should be addressed to the chairman of the Advanced Standing Committee.

Registration.

Student Advisers. Each student comes under the direct advisory control of some member of the Faculty who assists him in outlining his work.

Time for Registration. The registration day in September, 1922, is Monday, September 11. (See the School calendar for other dates.) A fee of $1 for late registration is imposed in cases where registration is not completed within the time specified.

Place of Registration. The work of registration of students is done in the gymnasium, the east half of the second floor being given to the work of high-school students, the west half of the second floor to college students.

Routine of Registration. The following steps in the process of registration should be carefully noted.

These directions, which are found also on the preliminary registration card and in the printed schedule, should be followed strictly:

1. A new college student reports first at the registrar's office, room 103, Plumb Memorial Hall, and secures admission card. If credits have not been presented earlier they should be presented to this committee at this time. (See under "Admission" concerning credits.)
2. A former student should present to the adviser his course book showing an official record of work done. This book should be asked for at the registrar's office several days before the time set for registration. An adviser is unable to give proper direction to a student's work without such information. A student should not assume that he has credit for earlier work. Disappointment and loss of time are saved by attention to this suggestion.
3. For each course taken ask the head of the department for an assignment card.
4. Under adviser's direction, make up program on preliminary registration card.
5. Secure physical-training-practice assignment and library-methods assignment.
6. Ask for adviser's signature to program as made on preliminary card.
7. Copy program on full registration card.
8. All women students must confer with the dean of women before payment of fees.
9. Obtain the O.K. of the library representative in the registration line.
10. Pay fees to bursar.
11. The payment of fees completes registration.
12. All changes in any student's program must be made within one week after the opening date of the semester or term. Consult the registrar's office. Changes, to be official, must be made in this way.

Physical-training Practice is required of all freshmen and sophomores unless excused by the president.

Library Methods are required of all students, preferably in the first semester of the freshman year, once a week for twelve weeks.

Freshman Lectures are required of all women students, preferably in the first semester of the freshman year.

Changes in Registration. A student having registered is a member of such classes until changes are properly made. Credit is not recorded except in accordance with the student's registration.

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A student who wishes to change his registration must present to the registrar within one week after the opening of the semester, or term, his student card, no erasure, change or addition having been made in his program of studies as first made up. A student is not permitted to take up other work except in this way.

Amount of Work. No student is permitted to register for work giving less than eight hours credit, not including required physical-training practice. He must obtain the permission of the Committee on Extra Hours to register for work giving more than sixteen hours credit, not including required physical-training practice. Application blanks for extra hours may be had of the chairman of the Committee on Extra Hours. They should be filed with the committee within the time indicated for registration. Students working for board and room, or either, take less than regular work.

Visitors. Occasional visitors in classroom or laboratory work are, of course, welcome, but all persons who wish to be visitors beyond five days must register. A student registered as a "visitor" is not permitted to change the registration for "credit" after the first week of the semester or term, and then only if the rules governing the amount of work permit.

Emporia Address. Each student should indicate his Emporia address and telephone number on his registration card. If these are not known at the time of entrance they must be reported promptly after the student is located. Failure to have this information makes impossible the delivery of letters and telegrams, and students' relatives and friends are often unable to find them. Letters that cannot be delivered are returned to the post office and then sent to the dead-letter office. Ask at the office of the registrar for a card for sending Emporia address when it is not known at the time of registration.

Irregular Students. A student is irregular who takes more than one course in any department, except as it can be shown that such choice of courses is conforming to the course of study. An irregular student pays fees as indicated below.

Fees.

"After consideration, and in view of the greatly increased cost of the work of our educational institutions, it is hereby voted by the State Board of Administration to fix this standard of fees in the three State Normal Schools, as indicated":

Time of Payment. All fees must be paid at the time of registration, or an arrangement made with the bursar for payment, before any person is entitled to admission to classes or to other student privileges.

Refund. Fees are not refunded except in cases of withdrawal within one week after entrance. No refund of fees is made unless a student obtain authorized withdrawal before leaving school.

Late Registration. A considerable amount of extra work and a great deal of confusion is caused by the neglect of students to register at time set for that purpose, and a fee of $1 is charged those who do not register at the provided time.

Student Activity. A student-activity fee of $2.50 for Summer School and $4 each semester is charged each student. This admits to athletic contests, the lecture course, the art exhibits, the "all-school" parties, debates, glee-club concerts, and pays the subscription for the student paper, the *State Normal Bulletin.*

Incidental. Each student pays a fee of $7 for the Summer School and for each semester for general materials used in class work, laboratories, libraries, gymnasiums, etc.

Laboratory. A student taking work in the sciences, manual training, home economics and other courses where laboratory work is required pays for the material used. In case of withdrawal the unused portion of this fee is refunded by the bursar, the head of the department having certified the amount due the student.

HOSPITAL. For each school year or fraction thereof a student pays $1, to be used as a hospital fund.

NONRESIDENT. A student who is not a resident of the state of Kansas pays, in addition to other fees, a fee of $10 for the Summer Session and $15 for each semester.

TYPEWRITER. A fee of $4 is charged for the use of the typewriter by students in this subject.

IRREGULAR. Irregular in one course, $4. (See paragraph, "Irregular Students.")

EXAMINATION. A student pays the regular county examination fee of $1 for the privilege of taking the county examination under supervision of the State Normal School. Other persons desiring to take this examination pay student fees also.

CORRESPONDENCE WORK. A student taking work by correspondence pays fees indicated in special Correspondence-study Catalogue.

MUSIC. See special Music Catalogue for statement of fees.

Hospital Fund.

This fund is provided by the fee of $1 per year paid by all students. It is used to pay the salary of the head nurse, for such emergency hospital supplies as are necessary, and for unavoidable expenses required for proper care of the sick. The hospital fund has met with generous approval and has contributed to better general health and to the comfort of the students.

The hospital fund is administered subject to the following rules:

1. That the responsibility of the nurse extends to the advising of students in cases of mild illness and to the care of more serious cases until other arrangements can be made.
2. That the building be called the "Normal Emergency Hospital," and the fund be designed "Emergency Hospital fund."
3. That students are taken from their rooms to the hospital only in cases of emergency.
4. That patients be cared for in the Emergency Hospital no longer than the time necessary to communicate with their parents or friends and arrangements can be made for their safe removal.
5. That patients cared for in the hospital pay day charges at the rate of 75 cents a day. This will cover food and simple remedies, but includes neither doctor's fees nor prescriptions.
6. That patients in the Emergency Hospital may call the physician they prefer, and will be under his care and that of the resident nurse until removed.
7. That cases of contagious disease be not taken into the Emergency Hospital.
8. That a housekeeper be employed at the Emergency Hospital to care for the house and to furnish meals.
9. That the nurse may have certain hours within which she will make calls.

Grades and Examinations.

Grades and Reports.

Grades are recorded as A, B, C, D, or F, meaning, respectively: superior, good, medium, inferior, failure.

The grades of freshmen are reported to parents or guardians at the close of each semester or term. On application to the registrar, parents or guardians of other students may obtain reports of grades.

A student failing in six hours or more in any semester or three hours or more in a term is not permitted to register in the succeeding semester or term, except by permission of the president.

No student is granted a certificate or degree until 75 per cent of his total hours have received a mark of C or better.

Final Examinations.

Semester and term final examinations are given as follows:

1. In all courses, except physical-training practice.
2. Seniors graduating at the close of the second semester are excused from the examinations of that semester, provided their work is satisfactory.

Absences.

1. For every "cut" there is deducted from the student's total credit one-sixteenth of a semester hour.
2. An absence occasioned by any school activity, serious illness, quarantine and death or serious illness in the student's immediate family is not considered as a "cut."
3. An absence during the two days immediately preceding or following a vacation, and not coming under rule 2, counts as a "double cut."
4. Three cases of tardiness are construed as one "cut."

Withdrawal.

A student who wishes to withdraw from School must obtain a card of withdrawal from the registrar. A mark of failure is entered upon the record of a student who leaves School without having obtained authorized withdrawal.

Statement of Attendance.

A statement of attendance is often required by superintendents or boards of education. A student desiring such statement should apply at the registrar's office before leaving School. It is difficult, if not impossible, to determine after the close of the semester the exact number of weeks of attendance. (See "withdrawal.")

Transcript of Record.

A transcript of record is required by a student who transfers to another school, and in many cases by superintendents, principals, boards of education and state departments of education. It is usually required that such information reach those desiring it directly from the school attended. For a transcript address the registrar.

County Teachers' Examinations.

County teachers' examinations are conducted at the State Normal School. The dates for the June and July examinations are publicly announced during the summer session. Examinations in October and January are given the last Friday and Saturday of these months.

Upon the payment of the fee of $1 a student may take the examination for county certificates, conducted under the supervision of the State Normal School. Manuscripts are sent to any county designated by the applicant, there to be examined by the county board of examiners, who will issue certificates to the successful applicants under the same conditions as if the examination had been conducted under their supervision.

Preparation for Different Professions.

Although the Kansas State Normal School is strictly a teachers' college, many students find it economical and convenient to take two years of work here in academic subjects and then transfer their credits without loss to

standard schools of engineering, law, medicine, and journalism, where they complete their work for their respective professions. No separate classes are organized for these students, but they are assisted to select such studies as will best prepare them for more advanced work in other schools.

Degrees.

The Kansas State Normal School confers three degrees, as follows:

Bachelor of Science in Education.
Bachelor of Science in Commerce.
Bachelor of Science in Music.

Any degree diploma is a life certificate to teach in the public schools of Kansas.

A degree is conferred upon a candidate who has been regularly admitted to college courses and who has completed 120 hours of college credit, according to the requirements for each degree.

No student is granted a certificate or degree until 75 per cent of his total hours have received a mark of C or better.

The Hour of Credit.

The semester hour is the measure of college work and credit. A college course that continues through a semester of eighteen weeks, with one period of fifty minutes of classroom work, gives one semester hour of credit. Throughout this catalogue the abbreviation *cr.* is used for "hour of credit."

Residence Requirements for All Degrees.

1. A minimum of two semesters, or one semester and one term (half semester), or three consecutive summer terms of residence, during which the student must earn twenty-four hours of credit, is required. These twenty-four hours must be included in the last thirty hours necessary for graduation.

2. A candidate who has made seventy-five hours in residence may be in residence only one semester of the summer term immediately prior to the granting of a degree.

3. In addition to satisfying the above residence requirements, a candidate with advanced standing from other institutions must earn in residence a minimum of four hours in his major subject and a minimum of two hours in his minor subject.

Special Work in English.

A student in the junior or senior years whose work in any department is weakened by poor English, or whose English is found to be notably defective, is reported at once by the instructor concerned to the head of the English Department, at whose direction such a student may be assigned to regular English classes without credit until he is able to pass a proficiency test in the subject. No candidate is recommended for a degree until his English is satisfactory.

Physical-training Practice.

Physical-training practice is required of all students during each semester of residence in the freshman and sophomore years, one hour each semester. The maximum requirement is four hours. This credit is not counted as part of the required 120 hours.

Election of Courses.

1. Sufficient *elective* credits must be presented by the candidate for a degree so that the requirement of 120 hours, exclusive of the required work in Physical-training Practice, Library Methods, and Freshman Lectures for Women, may be satisfied.

2. The work of the junior and senior years must include a minimum of

forty hours from courses designated as senior college subjects, *i. e.*, courses numbered 50 or above.

3. A student having less than thirty hours college credit is not admitted to senior college courses.

4. Subjects of the course of study are listed as freshman, sophomore, junior or senior, within the numbers 1 to 24, 25 to 49, 50 to 74, and 75 to 100, respectively. While a student is expected to take his studies from the subjects assigned to his class, a variation of one class may be permitted by his adviser, except when prerequisite requirements prevent. For example, a freshman may take one or more sophomore subjects, a sophomore may take freshman or junior subjects, a junior may take sophomore or senior subjects, and a senior may take junior subjects. Any greater variation can be permitted only by the president.

5. Not more than ten hours of supervised student teaching may be offered for a degree.

6. No student may elect as credit for the degree more than fifteen hours of freshman and sophomore professional courses.

7. The maximum requirement in professional subjects for a degree candidate who has taken the life certificate is twenty-four hours. The selection of the (usually nine or ten) additional hours of professional requirements (above the professional subjects required for the life certificate) is in the hands of a special committee on Enrollment in Professional Branches. This rule does not apply to candidates who have not taken the life certificate.

8. With the permission of the Committee on Practice Teaching, a student who holds a life certificate or who is known to have had successful teaching experience may take supervision of instruction as an alternative for the supervised teaching required for the degree.

9. For further information concerning supervised teaching, see the special statement of "Prerequisites and Requirements for Student Teaching."

Bachelor of Science in Education.

Following are the requirements for this degree:

Major.

1. A *major* of from twenty to thirty-five hours, selected from one department or department group in accordance with the following regulations, must be presented by the candidate.

2. Attention should be given as early as the sophomore year to the selection of a major for the degree of Bachelor of Science in Education. Not later than the opening of the junior year each student must file a statement of his selection of a major and a minor with the registrar and the head of the major department, on a card provided by the registrar for this purpose. The consent of the president is necessary to change the major subject.

3. A major may be taken in any one of the following departments or department groups:

A. DEPARTMENTS.

Agriculture.
Art.
Manual Art.
Biology and Geology.
Chemistry.
Commerce.
English.
Geography.
History and Government.
Home Economics.
Latin.
Mathematics.
Modern Languages.
Music.
Physical Education.
Physics.
Physiology and Hygiene.
Primary and Kindergarten.
Psychology and Philosophy.
Public Speaking and Expression.
Rural-school Administration.
School Administration.
Sociology and Economics.

B. DEPARTMENT GROUPS.

Biological Science:
- Biology and Geology.
- Botany and Bacteriology.
- Physiology and Hygiene.

Education:
- Psychology, courses 1, 3, 25, 26, 53, 75.
- School Administration.
- Rural-school Administration.
- Educational Sociology.

History and Social Science:
- History.
- Economics.
- Government.
- Sociology.

Physical Science:
- Chemistry.
- Geography.
- Physics.

4. A major consists of from twenty to thirty-five hours in one department or department group, subject to the judgment of the department head or group heads, with the following restrictions:

(*a*) Work done to meet the "academic requirements" for the degree of Bachelor of Science in Education cannot be included in counting hours for a major, except that all required work in excess of five hours in the department or department group in which the major is made may be counted on the major.

(*b*) A candidate majoring in education is required to complete at least twenty hours in addition to the "professional" subjects required for the degree. These additional hours may be selected, with the approval of the adviser, from the following departments: Psychology, School Administration, Rural-school Administration, and Educational Sociology.

5. At least one-third of the hours required for a major in any department must be senior college work.

Minor.

1. A *minor* of fifteen hours, selected from one department, must be submitted by the candidate. A minor may be taken in the same department group in which a major is taken, but it cannot be taken in the same department in which a major or the chief work for a major is taken.

Electives.

1. Not more than thirty-five hours from one department may be offered for the degree of Bachelor of Science in Education, except that in the departments of History and Government, and Modern Languages, forty-five hours may be offered, provided not more than thirty-five hours are from one division of the department.

2. Not more than forty-five hours in any one department group (namely, Biological Science, Education, History and Social Science, and Physical Science) may be offered toward the degree, subject to rule 2 above.

Academic Requirements.

LIBRARY METHODS. Required in the freshman year. No credit.

FRESHMAN LECTURES. Required of women in the freshman year. No credit.

INTRODUCTION TO COLLEGE LIFE. 3 cr.

ENGLISH COMPOSITION. 6 cr. See footnote (*).

LITERATURE. 3 cr.

ORAL ENGLISH. 3 cr.

SOCIOLOGY. 3 cr.

LATIN OR MODERN LANGUAGE. 15 cr.

This requirement is reduced at the rate of five hours for each unit of high-school credit in foreign language. However, a student who begins a foreign language in college must offer at least ten hours of college credit in that language.

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* Three hours of English composition must be taken in the freshman year. Each student registers for Rhetoric and Composition I in the first or second semester of the freshman year. If within the first two weeks of the semester he convinces the faculty of the Department of English that he is able to do superior work in composition, he is tentatively excused from the first three hours and permitted to enroll in Rhetoric and Composition II, Composition for Women, or Newspaper English I. If he completes the advanced course satisfactorily he is excused from three hours of the English composition requirement.

HISTORY.

AMERICAN HISTORY OR GOVERNMENT. 3 cr.

If less than one unit of American history or one-half unit of government is offered for entrance, three hours of American history or government are required.

EUROPEAN HISTORY. 3 cr.

If less than one unit of European history is offered for entrance, three hours of European history are required.

MATHEMATICS. 3 cr.

If less than two units of mathematics (algebra and geometry) is offered for entrance, three hours of college mathematics are required.

PHYSICAL SCIENCE (Physics or Chemistry). 5 cr.

If a unit of chemistry or a unit of physics is not offered for entrance, five hours of college physics or chemistry are required.

BIOLOGICAL SCIENCE (Biology, Botany, or Agriculture). 5 cr.

If less than one unit of biological science is offered for entrance five hours of biological science are required.

Professional Requirements.

See "Election of Courses," rule 7.

I.

For a candidate preparing to teach in high school, or to become a superintendent or principal, or to take charge of educational research:

Elementary Educational Psychology	3 cr.
High-school Administration (2 cr.), or	
Administration of Small High Schools (3 cr.)	2 or 3 cr.
Educational Psychology	3 cr.
High-school Instruction	3 cr.
Supervised Teaching in High School (2 or 4 cr.), or	
Supervision of Instruction (2 cr.)	2 or 4 cr.
See "Election of Courses," rules 8 and 9.	
Principles of Education	3 cr.

II.

For a candidate preparing to teach in intermediate or grammar grades, or to become a supervisor in these grades:

Elementary Educational Psychology	3 cr.
Elementary Instruction	3 cr.
Educational Measurements	2 cr.
Measurement of Intelligence	3 cr.
Educational Psychology	3 cr.
Supervised Teaching	2 or 4 cr.
See "Election of Courses," rules 8 and 9.	
Principles of Education	3 cr.

III.

For a candidate preparing to teach in kindergarten or primary grades, or to become a supervisor in these grades:

Elementary Educational Psychology	3 cr.
Elementary Instruction	3 cr.
Primary Methods	4 cr.
The Period of Infancy	3 cr.
Educational Measurements I (2 cr.), or	
Measurement of Intelligence (3 cr.)	2 or 3 cr.
Child Psychology	2 cr.
Supervised Teaching in Kindergarten and Primary	4 to 6 cr.

Major in Education.

Students who are taking a major in the education group should include in the major the subjects of one of the following groups:

EDUCATIONAL RESEARCH.

Educational Measurements II	2 cr.
Clinical Psychology or Abnormal Psychology	2 or 3 cr.
Child Psychology	2 cr.
Psychology of Adolescence	3 cr.
Vocational Psychology	2 cr.
Educational Administration	3 cr.
Educational Research	2 cr.
	17 cr.

CITY SUPERINTENDENCY.

Educational Administration	3 cr.
Junior High School	3 cr.
Educational Measurements II	2 cr.
Grade-school Mechanics	2 cr.
	10 cr.

HIGH-SCHOOL PRINCIPALSHIP.

Educational Administration	3 cr.
Junior High School	3 cr.
Educational Measurements II	2 cr.
	8 cr.

RURAL LEADERSHIP.

Rural-school Instruction and Administration	5 cr.
Rural-life Problems	3 cr.
State and County School Administration	3 cr.
Rural Economics	2 cr.
Administration of Small Town and Rural High Schools	3 cr.
	16 cr.

KINDERGARTEN-PRIMARY.

Required:

Advanced Methods of Primary Instruction	3 cr.
Industrial Art for Primary and Kindergarten Teachers	5 cr.
Kindergarten and Primary Music Methods	2 cr.
Plays and Games for Kindergarten and Primary Grades	2 cr.
Story-telling or Children's Literature	3 cr.
Field Zoölogy, Animal Nature Study, and Plant Nature Study	2 to 4 cr.
Elementary Science	2 cr.
Personal Hygiene, or School Hygiene and Sanitation	3 cr.
Educational Sociology	3 cr.
History of Modern Education	3 cr.

Elective:

Free-hand Drawing I	4 cr.
Free-hand Drawing II	3 cr.
Art Appreciation	3 cr.
Clay Modeling	2 cr.
Picture Study in the Grades	2 cr.
Sight Singing	No cr.
Piano	2 to 4 cr.
Oral English, Expression, or Pageantry	3 cr.
American or English History	3 cr.
English or American Literature	3 cr.
Ethics	3 cr.
Geography	3 cr.
Home Economics	4 cr.
Teaching of Elementary Mathematics	2 cr.
Browning	2 cr.
Shakespeare I	2 cr.
Tennyson	2 cr.

Bachelor of Science in Commerce.

It is recommended that candidates for the degree of Bachelor of Science in Commerce take the required courses in the following order:

FRESHMAN YEAR.

First Semester.		*Second Semester.*	
Introduction to College Life	3	Rhetoric and Composition I	3
Penmanship Methods	2	Advanced Stenography	5
Elementary Stenography	5	Office Practice	2
Elementary Typewriting	3	Elementary Accounting	3
Freshman Lectures	No cr.	Elective	2
Library Methods	No cr.	Physical Training Practice	1
Elective	2		
Physical Training Practice	1	Total	16
Total	16		

SOPHOMORE YEAR.

First Semester.		*Second Semester.*	
Rhetoric and Composition II, or Newspaper English I	3	Business Law I	3
Mercantile Accounting	3	Elementary Educational Psychology	3
Economic and Industrial Geography	3	Literature	3
Commercial Arithmetic	2	Principles of Economics	3
Elective or Minor	4	Oral English	3
Physical Training Practice	1	Physical Training Practice	1
Total	16	Total	16

JUNIOR YEAR.

First Semester.		*Second Semester.*	
Business Law II	2	Advanced Accounting	3
Business Correspondence	2	Money and Banking	3
Educational Psychology	3	Elective or Minor	9
Elective or Minor	8	Total	15
Total	15		

SENIOR YEAR.

First Semester.		*Second Semester.*	
Elementary Law	3	Business Organization	2
High-school Instruction	3	Supervised Teaching	4
Elective or Minor	9	Elective or Minor	9
Total	15	Total	15

Thirteen hours of the electives are to be taken from the following commerce courses:

Accounting	5	Salesmanship	2
Stenography	2	Typewriting	2
Spanish	10	Principles and Methods in Commercial Education	2
Geography of North America	4	Economic History of the United States	3
Geography of South America	3	International Law	3
Geography of Europe	3	Vocational Psychology	2
History of Latin America	2		
Business Psychology	3		

A *minor* of fifteen hours from the work of another department is required.

Bachelor of Science in Music.

FRESHMAN YEAR.

First Semester.		*Second Semester.*	
Rhetoric and Composition I	3	Rhetoric and Composition II, or Composition for Women, or Newspaper English I	3
Elementary Educational Psychology	3	Elementary Instruction	3
Introduction to College Life	3	Elective	3
Advanced Sight Singing (Prerequisite, Intermediate Sight Singing)	2	Intermediate Solfeggio	2
History and Appreciation I	2	Voice	1
Voice (Intermediate Grade)	1	Piano	1
Piano (Intermediate Grade)	1	Physical-training Practice	1
Freshman Lectures	—	Total	16
Library Methods	—		
Physical-training Practice	1		
Total	16		

SOPHOMORE YEAR.

First Semester.		*Second Semester.*	
Oral English	3	Educational Measurements I	2
Kindergarten and Primary Music and Practice Teaching	4	Elective	4
Ear Training I	2	Grade and Junior High-school Music and Practice Teaching	4
Community Music and Chorus Conducting I	2	Elementary Harmony II	2
Musical Material I	1	Voice	1
Elementary Harmony I	2	Piano	1
Voice	1	Physical-training Practice	1
Piano	1	Total	15
Physical-training Practice	1		
Total	17		

JUNIOR YEAR.

First Semester.		*Second Semester.*	
Intermediate Harmony	2	Advanced Harmony	2
Violin or other Orchestra Instruments	2	Harmonic Analysis and Form	2
Voice or Piano	2	Violin or other Orchestra Instruments	2
Advanced Solfeggio	2	Voice or Piano	2
Minor	3	Minor	3
General Elective or Minor	3	Technic of Opera	2
Education	2	Ear Training II	2
Total	16	Total	15

SENIOR YEAR.

First Semester.		*Second Semester.*	
Education	3	Counterpoint II	2
Minor	3	Education	3
Literature	3	High-school Music Instruction and Teaching	4
Counterpoint I	2	Teaching (Academic) High School	2
Voice or Piano or Violin or Music Material II	1	Voice or Piano or Violin	1
Orchestra Study and Conducting II	2	Systems	1
		Elective or Minor	2
Total	14	Total	15

A *minor* of fifteen hours selected from the work of another department is required.

Certificates.

The Kansas State Normal School issues the following certificates:

Life Certificate.
Kindergarten-Primary Proficiency Certificate.
Rural-school Proficiency Certificate.
Special certificates to teach:

1. Agriculture.
2. Commerce.
3. Drawing.
4. Home Economics.
5. Manual Training.
6. Music.
7. Physical Training.

Three-year State Certificate.
One-year State Certificate.

No student is granted a certificate until 75 per cent of his total hours have received a mark of C or better.

English Composition.

Three hours of English composition must be taken in the freshman year. Each student registers for Rhetoric and Composition I in the first or second semester of the freshman year, according to the schedule for the certificate he is working for. If within the first two weeks of the semester he convinces the faculty of the Department of English that he is able to do superior work in composition he is tentatively excused from the first three hours and permitted to enroll in Rhetoric and Composition II, or Composition for Women, or Newspaper English I. If he completes the advanced course satisfactorily he is excused from three hours of the composition requirement.

Electives.

The choice of electives is governed by rule 4 for the "Election of Courses," as given under "Degrees."

Supervised Teaching.

See "Student Teaching Prerequisites and Requirements" for rules governing supervised teaching.

General Requirements.

The following requirements govern the issuing of the life certificate, the proficiency certificates, and all special certificates:

The applicant is required—

1. To be a regularly admitted student.
2. To offer a minimum credit of sixty hours, not including the required physical-training practice.
3. To be in residence one semester or two summer terms.
4. To offer fifteen hours of residence credit.
5. To offer eight hours of residence credit earned within the year immediately preceding the issuing of the certificate.
6. To make formal application at the office of the registrar for the certificate or certificates desired.
7. To complete all required courses for the certificate or certificates applied for.

Life Certificate.

It is recommended that students take the required subjects for the life certificate in the following order:

FRESHMAN YEAR.

First Semester.		*Second Semester.*	
Library Methods	No cr.	Rhetoric and Composition II, or Composition for Women, or Newspaper English I	3
Freshman Lectures for Women	No cr.	Elementary Instruction	3
Introduction to College Life	3	Elective	9
Rhetoric and Composition I	3	Physical-training Practice	1
Elementary Educational Psychology	3		
Elective	6	Total	16
Physical-training Practice	1		
Total	16		

SOPHOMORE YEAR.

First Semester.		*Second Semester.*	
Educational Measurements I (2 cr.), or Measurement of Intelligence (3 cr.), or Rural-school Administration	2	Supervised Teaching or Elective	6
Literature or Oral English	3	Elective	9
Elective or Supervised Teaching	6	Physical-training Practice	1
Elective	4		
Physical-training Practice	1	Total	16
Total	16		

Proficiency Certificates.

The certificates for proficiency are issued only in connection with the life certificate. The proficiency certificates have no legal value.

Primary-Kindergarten Proficiency.

The course of study required for a life certificate with a certificate of proficiency in primary-kindergarten teaching or kindergarten-primary teaching is as follows:

FRESHMAN YEAR.

First Semester.		*Second Semester.*	
Library Methods	No. cr.	Rhetoric and Composition I	3
Freshman Lectures for Women	No. cr.	Primary Methods	4
Elementary Educational Psychology	3	Introduction to College Life	3
Elementary Instruction	3	Plays and Games	2
Industrial Arts for Primary Teachers	5	Play Materials	3
Elementary Science, 2 cr. Plant Nature Study, 2 cr. Animal Nature Study, 2 cr. Field Zoölogy, 2 cr.	4	Physical-training Practice	1
Physical-training Practice	1	Total	16
Total	16		

SOPHOMORE YEAR.

First Semester.		*Second Semester.*	
Rhetoric and Composition II, or Composition for Women	3	Practice Teaching	2, 4 or 6
Period of Infancy	3	Personal Hygiene, or School Hygiene and Sanitation	3
Elective	2, 4 or 6	Kindergarten and Primary Music Instruction	2
Child Psychology	2	Educational Measurements I (2 cr.), or Measurement of Intelligence	3
Practice Teaching	6, 4 or 2	Electives	6, 4 or 2
Physical-training Practice	1	Physical-training Practice	1
Total	17	Total	17

ELECTIVES.

Under direction of the head of the department students may elect eight to eleven hours from the following courses:

Free-hand Drawing I	4	School and Home Gardening	1
Free-hand Drawing II	3	Piano	1 or 2
Art Appreciation	3	Oral English	3
Music Appreciation I	2	Picture Study in the Grades	2
Music Appreciation II	2	Clay Modeling	2
Geography	3	Basketry	2
Home Economics	4	Story-telling	3
Teaching Elementary Mathematics	2	Children's Literature	3
English	2 or 3	Introduction to Sociology	3
Sight Singing	2	American or English History	3

Rural-school Proficiency.

The course of study required for a life certificate with a certificate of proficiency in rural-school teaching follows:

FRESHMAN YEAR.

First Semester.		*Second Semester.*	
Rhetoric and Composition I	3	Rhetoric and Composition II, or Composition for Women, or Newspaper English I	3
Rural-school Administration	2	Elementary Instruction	3
Elementary Educational Psychology	3	Economic and Industrial Geography	3
Agriculture	4	Elementary Science	2
Introduction to College Life	3	Arithmetic, Advanced, and Methods	4
Library Methods	No cr.	Physical-training Practice	1
Freshman Lectures for Women	No cr.		
Physical-training Practice	1		
Total	16	Total	16

SOPHOMORE YEAR.

First Semester.		*Second Semester.*	
Oral English	3	Supervised Teaching	2
Supervised Teaching	4	Rural-school Music	3
Rural-life problems, or Rural Sociology	3	Story-telling	3
Primary Methods	4	Industrial Art	3
Child Psychology	2	Electives	5
Physical-training Practice	1	Physical-training Practice	1
Total	17	Total	17

Special Certificates.

Section 8875, General Statutes of 1915, provides that:

"Each of said institutions (Kansas State Normal School, State Manual Training Normal School, and the Fort Hays Kansas Normal School) shall have power to issue certificates to teach manual training, domestic science, agriculture, commercial subjects, drawing, music, or other occupational subjects, upon the completion of such courses of study as may be prescribed by the faculty of said institutions and approved by the State Board of Administration."

In accordance with this act of the legislature, the Faculty of this institution has provided for special certificates to teach agriculture, commerce, drawing, home economics, manual training, music, and physical training in the elementary schools and high schools.

RENEWABLE AFTER THREE YEARS.

A special certificate is issued for a period of three years and is renewable for a like period upon the completion of thirty additional hours of credit. These certificates may be issued with the life certificate or without.

The required work for each of the special certificates, when taken with the life certificate, follows:

Agriculture.

FRESHMAN YEAR.

First Semester.		*Second Semester.*	
Rhetoric and Composition I	3	Grain Crops	3
Essentials of Chemistry	5	Forage Crops	2
Market Types and Breeds	3	Rhetoric and Composition II, or Newspaper English I	3
Introduction to College Life	3	Elementary Educational Psychology	3
Farm Shop	2	Feeds and Feeding	3
Library Methods	No cr.	Dairying	2
Freshman Lectures for Women	No cr.	Physical-training Practice	1
Physical-training Practice	1		
Total	17	Total	17

SOPHOMORE YEAR.

First Semester.		*Second Semester.*	
Oral English	3	Live-stock Production	4
School Gardening	1	Farm Management	4
Soils	3	Landscaping	1
Elementary Instruction	3	Supervised Teaching	6
Horticulture and Forestry	4	Physical-training Practice	1
Educational Measurements I (2 cr.), or Measurement of Intelligence (3 cr.), or Rural-school Administration	2	Total	16
Physical-training Practice	1		
Total	17		

ADDITIONAL COURSES RECOMMENDED.

Farm Carpentry	2
Science	4
Total	6

Commerce.

FRESHMAN YEAR.

First Semester.		*Second Semester.*	
Rhetoric and Composition I	3	Rhetoric and Composition II, or Newspaper English I	3
Elementary Stenography	5	Advanced Stenography	5
Elementary Typewriting	3	Elementary Accounting	3
Introduction to College Life	3	Office Practice and Procedure	2
Penmanship Methods	2	Elementary Educational Psychology	3
Freshman Lectures for Women	No cr.	Physical-training Practice	1
Library Methods	No cr.	Total	17
Physical-training Practice	1		
Total	17		

SOPHOMORE YEAR.

First Semester.		*Second Semester.*	
Elementary Instruction	3	Educational Measurements I (2 cr.), or Measurement of Intelligence (3 cr.), or Rural-school Administration	2
Mercantile Accounting	3	Bank Accounting	2
Business Law I	3	Economic and Industrial Geography	3
Commercial Arithmetic	2	Supervised Teaching	6
Literature, or Oral English	3	Elective	2
Elective	2	Physical-training Practice	1
Physical-training Practice	1	Total	17
Total	17		

Drawing and Industrial Art.

FRESHMAN YEAR.

First Semester.		*Second Semester.*	
Library Methods	No cr.	Rhetoric and Composition II, or Composition for Women	3
Freshman Lectures	No cr.	Elementary Instruction	3
Rhetoric and Composition I	3	Free-hand Drawing II	5
Free-hand Drawing	4	Commercial Design I	1
Reed Basketry	2	Blackboard Drawing	2
Elementary Educational Psychology	3	Industrial Art for Intermediate Teachers,	2
Introduction to College Life	3	Physical-training Practice	1
Physical-training Practice	1		
Total	16	Total	17

SOPHOMORE YEAR.

First Semester.		*Second Semester.*	
Public Speaking	3	Supervised Teaching	6
Art Appreciation	3	Industrial Art for High-school Teachers,	3
Interior Decoration	2	Commercial Design II	1
Clay Modeling I	2	Advanced Study of Light and Dark Values (*a*)	2
Raffia Basketry	2	Advanced Study of Color Values and Harmony (*a*)	2
Educational Measurements I	2	Elective	..
Physical-training Practice	1	Physical-training Practice	1
Total	15	Total	15

Home Economics.

FRESHMAN YEAR.

First Semester.		*Second Semester.*	
Freshman Lectures	No cr.	Essentials of Chemistry	5
Library Methods	No cr.	Free-hand Drawing II	5
Free-hand Drawing	4	Rhetoric and Composition II, or Composition for Women	3
Sewing and Textiles	5	Elementary Educational Psychology	3
Drafting and Design	4	Physical-training Practice	1
Rhetoric and Composition I	3		
Physical-training Practice	1		
Total	17	Total	17

SOPHOMORE YEAR.

First Semester.		*Second Semester.*	
Foods	5	Household Management	5
Bacteriology	3	Educational Measurements I	2
Elementary Instruction	3	Oral English	3
Applied Costume Design	4	Practice Teaching	..
Physical-training Practice	1	Physical-training Practice	1
Total	16	Total	11

Manual Art.

FRESHMAN YEAR.

First Semester.		*Second Semester.*	
Rhetoric and Composition I	3	Rhetoric and Composition II, or Newspaper English I	3
Introduction to College Life	3	Industrial Art for Intermediate Teachers,	2
Free-hand Drawing I	4	Elementary Educational Psychology	3
Mechanical Drawing	4	Woodworking	4
Library Methods	No cr.	Shop Mathematics	3
Physical-training Practice	1	Physical-training Practice	1
Total	15	Total	16

SOPHOMORE YEAR.

First Semester.		*Second Semester.*	
Literature, or Oral English	3	Educational Measurements I (2 cr.), or Measurement of Intelligence (3 cr.), or Rural-school Administration (2 cr.),	2 or 3
Elementary Instruction	3	Wood Finishing	2
Farm Shop	2	Furniture Construction	4
Wood Turning	4	Theory and Practice in Manual Training,	2
Joinery and Cabinetmaking	4	Supervised Teaching	6
Physical-training Practice	1	Physical-training Practice	1
Total	17	Total	17

Music.

FRESHMAN YEAR.

First Semester.		*Second Semester.*	
Rhetoric and Composition I	3	Rhetoric and Composition II, or Composition for Women, or Newspaper English I	3
Elementary Educational Psychology	3	Elementary Instruction	3
Introduction to College Life	3	Elective	3
Advanced Sight Singing (Prerequisite, Intermediate Sight Singing)	2	Intermediate Solfeggio	2
History and Appreciation I	2	History and Appreciation II	2
Voice (Intermediate Grade)	1	Voice	1
Piano (Intermediate Grade)	1	Piano	1
Freshman Lectures	No cr.	Physical-training Practice	1
Library Methods	No cr.		
Physical-training Practice	1		
Total	16	Total	16

SOPHOMORE YEAR.

First Semester.		*Second Semester.*	
Oral English	3	Educational Measurements I, or Measurement of Intelligence (3 cr.), or Rural-school Administration	2
Kindergarten and Primary Music Instruction and Supervised Teaching	4	Elective	4
Ear Training I	2	Grade and Junior High-school Music Instruction and Supervised Teaching	4
Community Music and Chorus Conducting I	2	Elementary Harmony II	2
Music Material I	1	Voice	1
Elementary Harmony I	2	Piano	1
Voice	1	Physical-training Practice	1
Piano	1		
Physical-training Practice	1		
Total	17	Total	15

Physical Education.

FRESHMAN YEAR.

First Semester.		*Second Semester.*	
Rhetoric and Composition I	3	Rhetoric and Composition II, or Composition for Women, or Newspaper English I	3
Advanced Physiology	5	Story Telling	3
Introduction to College Life	3	Hygiene and Sanitation	3
Elementary Educational Psychology	3	History of Physical Education	2
Freshman Lectures for Women	No. cr.	Elementary Instruction	3
Library Methods	No. cr.	Plays and Games	2
Physical-training Practice	1	Physical Training Practice	1
Total	15	Total	17

SOPHOMORE YEAR.

First Semester.		*Second Semester.*	
Human Anatomy	5	Supervised Teaching	6
Educational Measurements I (2 cr.), or Measurement of Intelligence (3 cr.), or Rural-school Administration	2 or 3	Applied Anatomy	2
Playground Supervision	3	Kinesiology	3
Methods of Physical Education	3	Oral English	3
Child Psychology	2	Elective	1
Physical-training Practice	1	Physical-training Practice	1
Total	16	Total	16

A Special Certificate Without the Life Certificate.

Residence requirement, one semester or two summer terms, with credit of not less than fifteen hours (not including physical-training practice), eight hours of which (not including physical-training practice) must be earned in the session immediately preceding the issuing of the certificate.

The requirements are as follows:

Library Methods. Required in the freshman year. No credit.	
Freshman Lectures. Required of women in the freshman year.	No credit.
English Composition	6 cr.
Elementary Educational Psychology	3 cr.
Introduction to College Life	3 cr.
Elementary Instruction or Rural-school Instruction	3 cr.
Occupational (for example, Agriculture)	24–28 cr.
Supervised Teaching, in occupational subject	6 cr.
Elective, under direction of head of department in which special certificate is desired	15–11 cr.
Total (not including Physical-training Practice)	60 cr.
Physical-training Practice, each semester	1 cr.

Two Special Certificates Without the Life Certificate.

Two special certificates without the life certificate may be obtained in five semesters, or four semesters and two summer terms.

Residence requirement, one semester or two summer terms, with credit of not less than fifteen hours (not including physical-training practice), eight hours of which (not including physical-training practice) must be earned in the session immediately preceding the issuing of the certificate.

Library Methods. Required in the freshman year. No credit.	
Freshman Lectures. Required of women in the freshman year.	No credit.
English Composition	6 cr.
Elementary Educational Psychology	3 cr.
Introduction to College Life	3 cr.
Occupational, for first certificate (for example, Agriculture)	28 cr.
Occupational, for second certificate (for example, Manual Training),	24–28 cr.
Supervised Teaching, for each certificate, 3 cr.	6 cr.
Elective	5 cr.
Total (not including Physical-training Practice)	75 cr.
Physical-training Practice, each semester	1 cr.

Two Special Certificates and the Life Certificate.

Residence requirement of one semester or two summer terms, with credit of not less than fifteen hours (not including physical-training practice), eight hours of which (not including physical-training practice) must be earned in the session immediately preceding the issuing of the certificate.

The requirements are as follows:

Library Methods. Required in the freshman year. No credit.	
Freshman Lectures. Required of women in the freshman year.	No credit.
English Composition	6 cr.
Literature or Oral English	3 cr.
Introduction to College Life	3 cr.
Elementary Educational Psychology	3 cr.
Elementary Instruction or Rural-school Instruction	3 cr.
Educational Measurements I	2 cr.
Occupational, for first certificate	24 cr.
Occupational, for second certificate	24 cr.
Supervised Teaching, for each certificate, 3 cr.	6 cr.
Elective	1 cr.
Total (not including Physical-training Practice)	75 cr.
Physical-training Practice, each semester	1 cr.

Three-year State Certificate.

This certificate is given to any person—

1. Who is at the time of entrance a graduate of an accredited high school.
2. Who submits college credit of thirty semester hours, as outlined below, in addition to one hour credit in Physical-training Practice for each semester in residence.
3. Who has been in residence one semester.
4. Who earns fifteen hours credit in addition to required credit in Physical-training Practice.

Of the fifteen hours of residence credit at least eight hours must be earned in the session immediately preceding the issuing of the certificate.

The requirements are as follows:

Library Methods. Required in the freshman year. No credit.		
Freshman Lectures. Required of women in the freshman year. No credit.		
*Rhetoric and Composition I		3 cr.
Introduction to College Life		3 cr.
Psychology		3 cr.
Elementary Instruction or Rural-school Instruction		3 cr.
Advanced Arithmetic		4 cr.
Geography		3 cr.
American History or Government		3 cr.
Physiology		3 cr.
Music	4 cr.	
Drawing	4 cr.	
Home Economics	4 cr.	
Manual Training	4 cr.	4 cr.
Commerce:		
Penmanship	2 cr.	
Bookkeeping	3 cr.	
Elective		1 cr.
Physical-training Practice, each semester		1 cr.
Total (not including Physical-training Practice)		30 cr.

Exemptions for high-school credit are allowed in these requirements, excepting in English, methods of instruction, and physical training. Persons claiming exemption from any requirement should submit not less than one-half year's high-school work in the subject where exemption is desired.

One-year State Certificate.

The requirement for this certificate is fifteen hours of college credit taken in residence (not including the required physical-training practice). Eight hours of the required fifteen (not including the required physical-training practice) must be earned in the session immediately preceding the issuing of the certificate.

An applicant for this certificate may be required to take his college work in those subjects listed below in which he does not have high-school credit:

English, 3 units.
Algebra, 1 unit.
Plane Geometry, 1 unit.
Bookkeeping or Arithmetic, ½ unit.
Botany or Agriculture, 1 unit.
Physics or Chemistry, 1 unit.
Physiology, ½ unit.
Geography, ½ unit.
History, 1 unit.
Civics, ½ unit.
Psychology, ½ unit.
Methods and Management, ½ unit.
Elective, 4½ units.

A special regulation provides that this certificate be issued to any applicant—

1. Who is at the time of entrance a graduate of an accredited high school.
2. Who does eight and one-half hours of residence work in the spring or summer term immediately preceding the issuing of the certificate.
3. Who is not less than eighteen years of age.

No person may be an applicant for more than a second certificate of this grade.

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* The requirement and exemptions in English composition are the same as for the B. S. degree in Education.

Student Teaching Prerequisites and Requirements.

Kindergarten-Primary.

I. For the life certificate and for the special proficiency certificate to teach in kindergarten and primary grades:

1. Prerequisites for student teaching:
   - *a.* Elementary Educational Psychology ..... 3 cr.
   - *b.* Primary Methods ..... 4 cr.
   - *c.* Kindergarten Play Materials ..... 3 cr.
   - *d.* Subject matter definitely prescribed (including six hours of required English, about ..... 20 cr.
2. Concurrent subjects:
   - *a.* Educational Measurements I, or Measurement of Intelligence, 2 or 3 cr.
3. Teaching, which includes the following requirements..... 6 to 8 cr.
   - *a.* When a student wishes to emphasize kindergarten teaching, he will earn four hours teaching credit in the kindergarten and two hours in the primary grades; and, on the advice of the head of Kindergarten - Primary Education, may be required to take two additional hours teaching in either kindergarten or primary grades.
   - *b.* When a student wishes to emphasize primary teaching, he will earn four hours in the primary grades and two hours in the kindergarten; and, on the advice of the head of Kindergarten - Primary Education, may be required to take two additional hours teaching in either kindergarten or primary grades.
   - *c.* In certain cases a student may be permitted to do all of his teaching either in the primary grades or in the kindergarten.
   - *d.* Teaching requirements in either the primary grades or the kindergarten, analyzed:
     (1) For four hours credit in one semester:
     (a) Teaching participation, including actual teaching, observation, and all other activities connected with teaching, five hours a week.
     (b) Conferences with supervisors, one hour a week.
     (c) Personal conference with supervisor on call.
     (*d*) Group conferences, one hour per week.
     (2) For two hours credit in one semester:
     (a) Teaching participation, same as above, five half hours a week.
     (b), (c), (d), same as above.

Intermediate Grades.

II. For the life certificate to teach in the intermediate grades:

1. Prerequisites for teaching:
   - *a.* Elementary Educational Psychology ..... 3 cr.
   - *b.* Elementary Instruction ..... 3 cr.
   - *c.* Subject matter ..... 18-24 cr.
     (1) In each of three departments, including the English Department ..... 6-8 cr.
2. Concurrent subjects:
   - *a.* Educational Measurements I, or Measurement of Intelligence, or Rural School Administration ..... 2-3 cr.
3. Theory and Practice: Theory, 2 hours credit; Practice, 4 hours credit:
   - *a.* Theory, 2 hours per week. This course requires as much outside preparation as any other two-hour course and consists in a systematic study of the methods of the subject matter in which the student is doing practice teaching.
   - *b.* Teaching participation, 5 hours per week for one semester.
   - *c.* Personal conferences with supervisors by arrangement.
   - *d.* Conferences with the head of the Intermediate Grades department, or with the director of Teacher Training, one hour a week.

Elementary Rural Schools.

III. For the life certificate to teach in elementary rural schools:

1. Prerequisites for teaching:
   - *a.* Elementary Educational Psychology ..... 3 cr.
   - *b.* Elementary Instruction ..... 3 cr.
   - *c.* Subject-matter ..... 16-24 cr.
     - (1) In each of four departments, including the English Department ..... 4-6 cr.
2. Concurrent subjects:
   - *a.* Rural School Administration ..... 2 cr.
3. Theory and Practice: Theory, 2 hours credit; Practice, 4 hours credit:
   - *a, b, c,* same as in II, 2, above.
   - *d.* Conference with professor of rural-school administration, one hour a week.

Junior High School.

IV. For the life certificate to teach in junior high schools:

1. Prerequisites for teaching:
   - *a.* Elementary Educational Psychology ..... 3 cr.
   - *b.* Elementary Instruction ..... 3 cr.
   - *c.* Subject-matter ..... 18-24 cr.
     - (1) In each of two departments, including the English Department ..... 9-12 cr.
2. Concurrent subjects:
   - *a.* Educational Measurements I, or Measurement of Intelligence, or Rural School Administration ..... 2-3 cr.
3. Theory and Practice: Theory, 2 hours credit; Practice, 4 hours credit.
   - *a, b, c,* same as in II, 3, above.
   - *d.* Conferences with principal of Junior High School or with the director of teacher training, one hour a week.

Senior or Junior High Schools.

V. Requirements for the B. S. degree in Education to teach in senior or junior high schools:

1. Prerequisites for teaching:
   - *a.* High-school instruction is a prerequisite for teaching in the junior and senior divisions of the Roosevelt High School. This course is required for the B. S. degree in Education, B. S. degree in Commerce, and the B. S. degree in Music.
2. Concurrent or prerequisite subjects:
   - *a.* All academic and professional requirements listed in the current catalogue.
   - *b.* Subject-matter majors and minors required for the degree.
3. Theory and Practice: Theory, 2 hours credit; Practice, 2-4 hours.
   - *a.* Theory, 2 hours per week for one semester. This course requires as much outside preparation as any other two-hour course and consists in a systematic study of the methods of the subject matter in which the student is doing practice teaching.
   - *b.* Practice, 2 hours. Teaching participation, 3 hours per week for one semester on consecutive days of the week, or five hours a week for three-fifths of one semester. Two hours credit in practice are required of students who have four or more hours of credit in practice for the life certificate.
   - *c.* Practice, 4 hours. Teaching participation, 5 hours a week for one semester. Four hours credit in practice are required of students who have fewer than four hours credit in practice for the life certificate.
   - *d.* Personal conferences with supervisors by arrangement.
   - *e.* Conferences with the principal of the Roosevelt High School or with the director of teacher training, one hour a week.
4. NOTE: A student should elect his practice teaching in his major subject.

Summary of Courses.

Descriptions of courses are given in Part 2 of the Catalogue, which may be had on application to the registrar.

Abbreviations: cr. is an abbreviation for semester hours of credit; sem. for semester; sum, for Summer School. When no year is specified, a course marked sum. comes every summer. A figure preceding sem. indicates which semester the course is offered.

Election of Courses: Subjects of the course of study are listed as freshman, sophomore, junior or senior, within the numbers 1 to 24, 25 to 49, 50 to 74, and 75 to 100, respectively. While a student is expected to take his studies from the subjects assigned to his class, a variation of one class may be permitted by his adviser, except when prerequisite requirements prevent. For example, a freshman may take one or more sophomore subjects, a sophomore may take freshman or junior subjects, a junior may take sophomore or senior subjects, and a senior may take junior subjects. Any greater variation can be permitted only by the president.

Administration.

School Administration.

10. Educational Measurements I. 2 cr. Sum. and each sem.

12. The Junior High School. 2 cr. 2 sem.

50. History of Education. 2 cr. Sum. 1923.

52. Educational Measurements II. 2 cr. 2 sem. Prerequisite, course 10.

53. Supervision of Instruction. 3 cr. Sum. and each sem.

55. Principles of Education. 3 cr. Sum. and each sem. Prerequisite, 60 cr.

60. Educational Administration. 3 cr. On demand of ten or more students.

62. High-school Administration. 2 cr. Sum. and each sem.

66. Educational Research. 2 cr. Each sem. Prerequisite, 90 cr.

Rural-school Administration.

1*a*. Elementary Instruction. See Teacher Training System.

2. Rural-school Administration. 2 cr.

3. Grade-school Mechanics. 2 cr. Sum.

5. Rural-school Instruction and Administration. 5 cr. 1 sem. Combines 1*a* and 2.

6. Rural Life Problems. 3 cr. 2 sem.

12. Practice Teaching in Rural Schools. 4 cr. See Teacher-training System.

25. Rural Sociology. 3 cr. Sum., 1 sem., and spring term.

26. County Supervision. 4 cr. On sufficient demand.

27. Rural Economics. 2 cr.

50. State and County School Administration. 3 cr. Sum. 1922.

52. Administration of Small High Schools. 3 cr. Sum.

53. Rural-school Seminar. By consultation with the head of the department.

54. Consolidated School. 2 cr. Sum.

Agriculture.

MAJOR: 20 cr.

1. GRAIN CROPS. 3 cr. Sum. 1922 and 2 sem.

2. FORAGE CROPS. 2 cr.

3. MARKET AND BREEDING TYPES AND CLASSES OF LIVE STOCK. 3 cr. Each sem.

25. FEEDS AND FEEDING. 3 cr. 2 sem.

26. HORTICULTURE AND FORESTRY. 4 cr. 2 sem.

27. SCHOOL AND HOME GARDENING. 1 cr. Sum. and each sem.

28. RURAL SCHOOL AGRICULTURE. 2 cr. Sum. and 2 sem.

50. SOILS. 3 cr. 1 sem and sum. 1923. Prerequisite, Chemistry 1.

51. DAIRYING. 2 cr. Sum. and each sem.

52. LIVE-STOCK PRODUCTION. 4 cr. Sum. 1922 and 1 sem. Prerequisite, courses 3 and 25.

53. LANDSCAPING. 1 cr. Sum. and 2 sem. Prerequisite, course 27.

75. FARM MANAGEMENT. 4 cr. 1 sem. and sum. 1923. Prerequisite, major work in agriculture.

Art.

MAJOR: About 30 cr.

1. FREE-HAND DRAWING. 4 cr. Sum. and each sem.

2. FREE-HAND DRAWING II. 5 cr. Sum. and each sem. Prerequisite, course 1.

3. INDUSTRIAL ART FOR PRIMARY TEACHERS. 5 cr. Sum. and each sem.

12. INDUSTRIAL ART FOR RURAL TEACHERS. 3 cr. Sum.

13. BLACKBOARD DRAWING. 2 cr. Sum. and 2 sem. Prerequisite, course 1.

14. CLAY MODELING I. 2 cr. Sum. and each sem.

16. RAFFIA BASKETRY. 2 cr. Sum. and each sem.

17. REED BASKETRY. 2 cr. Sum. and each sem.

18. COMMERCIAL DESIGN I. 1 cr. Sum. and 2 sem.

19. COMMERCIAL DESIGN II. 1 cr. Sum. and 2 sem. Prerequisite, course 18.

20. PICTURE STUDY IN THE GRADES. 2 cr. Sum. and each sem.

26. INDUSTRIAL ART FOR INTERMEDIATE TEACHERS. 2 cr. Sum. and 2 sem. Prerequisite, course 1.

27. INDUSTRIAL ART FOR HIGH-SCHOOL TEACHERS. 3 cr. Sum. and 2 sem. Prerequisite, course 2.

28. CLAY MODELING II. 2 cr. Sum. Prerequisite, course 14.

51*a*. ADVANCED STUDY OF LIGHT AND DARK VALUES. 2 cr. Sum. and 2 sem. Prerequisite, course 3.

51*b*. ADVANCED STUDY OF LIGHT AND DARK VALUES. 2 cr. Sum. and 2 sem. Prerequisite, course 51*a*.

52*a*. ADVANCED STUDY OF COLOR VALUES AND HARMONIES. 2 cr. Sum. and 2 sem. Prerequisite, course 51*a*.

52*b*. ADVANCED STUDY OF COLOR VALUES AND HARMONIES. 2 cr. Sum. and 2 sem. Prerequisite, courses 51*b* and 52*a*.

55. INTERIOR DECORATION. 2 cr. Sum. and 1 sem. Prerequisite, course 3.

56. HISTORY OF ART I. 2 cr. 2 sem.

57. HISTORY OF ART II. 4 cr. 2 sem. (Not given 1922-'23.)

58. HISTORY OF ART III. 2 cr. 1 sem.

62. ART APPRECIATION. 3 cr. Sum. and each sem.

63. ADVANCED PERSPECTIVE. 3 cr. 1 sem.

Biology and Geology.

MAJOR: In the Department of Biology and Geology or in the Biological Science group, 25 cr.

Zoology and Botany.

1. ANIMAL ECOLOGY (Animal Sociology). 5 cr. Each sem. Includes course 1*a* and 1*b*.

1*a*. FIELD ZOÖLOGY. 2 cr. Sum. and 1st half of 1 sem. and 2d half of 2 sem.

1*b*. ANIMAL LIFE. 3 cr. 2d half of 1 sem. and 1st half of 2 sem.

25. PRINCIPLES OF BIOLOGY. 5 cr. Each sem. Includes 25*a* and 25*b*.

25*a*. VOCATIONAL BOTANY. 2 cr. 1st half of 1 sem. and 2d half of 2 sem.

25*b*. SYSTEMATIC ZOÖLOGY. 3 cr. 2d half of 1 sem. and 1st half of 2 sem.

Geology.

7. GEOLOGY OF KANSAS. 2 cr. Sum.

50. GEOLOGY OF THE UNITED STATES. 5 cr. Each sem.

School Science.

8. NATURE STUDY. 2 cr. Sum.

15. ELEMENTARY SCIENCE. 2 cr. Sum and each sem.

26. GENERAL SCIENCE. 2 cr. Sum.

51. ELEMENTS OF THE SCIENCES. 3 cr. Each sem.

Botany and Bacteriology.

16. PLANT NATURE STUDY. 2 cr. Sum and each sem. Deposit, 75 cts.

17. DEVELOPMENTAL BOTANY. 5 cr. Sum. and each sem. Includes 17*a* and 17*b*. Deposit, 75 cts.

17*a*. DEVELOPMENTAL BOTANY OF SPORE PLANTS. Sum. and each sem. Deposit, 75 cts.

17*b*. DEVELOPMENTAL BOTANY OF SEED PLANTS. 3 cr. Sum. and each sem. Deposit, 75 cts.

27. GENERAL BACTERIOLOGY. 3 cr. Sum. and 2 sem. Deposit, $2.

28. HOUSEHOLD BACTERIOLOGY. 3 cr. 1 sem. Deposit, $2.

29. AGRICULTURAL BACTERIOLOGY. 3 cr. 2 sem. Deposit, $2.

30. PLANT ANATOMY. 3 cr. 1 sem. Prerequisite, course 17 or equivalent. Deposit, $1.

52. PLANT PHYSIOLOGY. 3 cr. 2 sem. Prerequisite, course 17 or equivalent. Deposit, $1.

53. SYSTEMATIC BOTANY. 1 to 5 cr. Sum. and each sem. Prerequisite, course 17 or equivalent.

Chemistry.

MAJOR: 20 cr.

1. ESSENTIALS OF CHEMISTRY. 5 cr. Sum. and each sem.

2. INORGANIC CHEMISTRY. 5 cr. Each sem. Prerequisite, course 1.

25. QUALITATIVE ANALYSIS. 5 cr. 1 sem. Prerequisite, course 2.

50. ORGANIC CHEMISTRY. 3 cr. 2 sem. Prerequisite, course 2. Course 25 recommended. Must accompany course 51.

51. ORGANIC ANALYSIS. 2 or 3 cr. 2 sem. Must accompany course 50.

51*a*. GENERAL ANALYSIS. 2 cr.

51*b*. FOOD ANALYSIS. 3 cr.

52. Chemistry of Textiles. 1 cr. Sum. and each sem. Prerequisite, course 1.

53. Quantitative Analysis. 5 cr. Sum. and each sem. Prerequisite, course 25.

Commerce.

Major:

Accounting	9 cr.
Law	8 cr.
Business Organization	2 cr.
Office Practice and Procedure	2 cr.
Penmanship	2 cr.
Economic and Industrial Geography	3 cr.
Principles of Economics	3 cr.
Commercial Arithmetic	2 cr.
Business Correspondence	2 cr.

1. Elementary Stenography.* 5 cr. Sum. and each sem.

2. Advanced Stenography.* 5 cr. Sum. and each sem. Prerequisite, 1.

3. Shorthand Speed Practice.* 2 cr. On sufficient demand.

8. Elementary Typewriting.* 3 cr. Sum. and each sem. Fee, $4.

9. Advanced Typewriting.* 2 cr. 2 sem. Prerequisite, course 8. Fee, $2.

15. Office Practice and Procedure. 2 cr. Sum. and each sem. Prerequisite, course 8.

18. Methods in Penmanship. 2 cr. Sum. and each sem.

20. Elementary Accounting. 3 cr. Sum. and each sem.

27. Mercantile Accounting. 3 cr. Sum. and each sem. Prerequisite, course 20 or a year of high-school bookkeeping.

28. Farm Accounting. 2 cr. On sufficient demand.

29. Bank Accounting. 2 cr. 1 sem. Prerequisite, course 20.

35. Business Law I. 3 cr. Sum. and each sem.

51. Advanced Accounting. 3 cr. 2 sem. Prerequisite, 6 cr. of accounting.

52. Accounting Problems. 2 cr. 1 sem. Prerequisite, 9 cr. of accounting.

55. Business Correspondence. 2 cr. Sum. and 1 sem. Prerequisite, course 15.

57. Business Organization. 2 cr. On sufficient demand. Should be preceded by Principles of Economics.

58. Salesmanship. 2 cr. 2 sem.

60. Elementary Law. 3 cr. Sum. and 1 sem.

61. Business Law II. 2 cr. 2 sem. Prerequisite, course 35 or 60.

62. Principles and Methods in Commercial Education. 2 cr. On sufficient demand.

English.

Major: 25 cr., including required courses.

1. Rhetoric and Composition I. 3 cr. Sum. and each sem.

2. Rhetoric and Composition II. 3 cr. Sum. and each sem. Prerequisite, course 1.

3. Composition for Women. 3 cr. Sum. and each sem. Prerequisite, course 1.

4. English Grammar. 2 cr. Sum. and each sem.

* These courses may be submitted for any certificate and for the diploma conferring the degree of Bachelor of Science in Commerce or Bachelor of Science in Music, but not for the degree of Bachelor of Science in Education.

25. American Literature. 3 cr. Sum. 1922 and 1 sem. Prerequisite, course 1.

26. Current Literature. 3 cr. 2 sem. Prerequisite, course 1.

27. English Literature I. 3 cr. Sum. and each sem. Prerequisite, course 1.

28. English Literature II. 3 cr. Sum. and each sem. Prerequisite, course 1.

29. Children's Literature. 3 cr. Sum. and 1 sem. Prerequisite, course 2 or 3.

30. Newspaper English I. 3 cr. Sum. and each sem. Prerequisite, course 1.

31. Argumentative Writing. 2 cr. 1 sem. Prerequisite, course 1.

50. English Prose. 3 cr. 2 sem. and sum. 1923.

51. Short Story. 3 cr. Sum. 1922 and 1 sem. Prerequisite, course 1 or its equivalent.

52. English Romantic Poets. 3 cr. Sum. 1922 and 2 sem. Prerequisite, course 28.

53. The Novel. 3 cr. 1 sem. and sum. 1923.

55. Shakespeare I. 2 cr. Sum. 1922 and 1 sem.

56. Shakespeare II. 2 cr. 2 sem. and sum. 1923.

58. Newspaper English II. (The School Paper.) 3 cr. Sum. 1922 and 2 sem. Prerequisite, course 30 or 15 hours of English.

59. Newspaper English III. (The Special Article.) 3 cr. 1 sem. and sum. 1923. Prerequisite, course 30, or 15 hours of English.

75. Early Drama. 3 cr. Sum. 1922 and 1 sem. Prerequisite, course 27.

76. Modern Drama. 2 cr. 2 sem. and sum. 1923.

77. Tennyson. 2 cr. 1 sem. and sum. 1923. Prerequisite, course 27.

78. Browning. 2 cr. Sum. 1922 and 2 sem. Prerequisite, course 27.

80. Teaching of High-school English. 2 cr. Sum. and 2 sem.

Geography.

Major: 25 cr.

1. Economic and Industrial Geography. 3 cr. Sum. and each sem.

2. Regional Geography. 2 cr. 1 sem.

3. Teaching Geography in Rural Schools. 2 cr. Sum.

25. North America. 4 cr. 1 sem.

26. South America. 3 cr. 1 sem.

27. Geography of Europe. 3 cr. 2 sem.

28. Teaching Geography in the Junior High School and Intermediate Grades. 2 cr. Sum.

29. Teaching Geography in the Rural Schools.

50. Relation of Geography to History. 3 cr. 2 sem.

51. Advanced Physiography. 4 cr. On demand. Prerequisite, high-school physical geography or equivalent.

52. The Social Significance of Geography. 2 cr. Sum. 1922 and 2 sem.

History and Government.

MAJOR: In History and Government, 25 cr.; in History and Social Science group, 30 cr.

European History.

1. EUROPEAN HISTORY DURING THE MIDDLE AGES. 3 cr. 1 sem.
2. MODERN EUROPEAN HISTORY. 3 cr. Sum. and each sem.
5. HISTORY OF ENGLAND TO 1603. 3 cr. Sum. and 1 sem.
6. HISTORY OF ENGLAND AND THE BRITISH EMPIRE, FROM 1603. 3 cr. Sum. and 2 sem.
9. PROBLEMS OF RECONSTRUCTION. 2 cr. Sum. and each sem.
27. HISTORY OF GERMANY SINCE 1740. 2 cr. 1 sem.
28. HISTORY OF FRANCE. 2 cr. 2 sem.
29. TEACHING OF HIGH-SCHOOL HISTORY. 2 cr. Sum. and 2 sem. Required for major.
30. HISTORY OF GREECE. 3 cr. 1 sem.
31. HISTORY OF ROME. 3 cr. 2 sem.
50. INDUSTRIAL AND SOCIAL HISTORY OF ENGLAND. 2 cr. 1 sem. Prerequisite, course 5 and 6.
51. THE REFORMATION. 2 cr. 2 sem.
52. THE FRENCH REVOLUTION. 2 cr. 2 sem.
53. MEDIÆVAL INSTITUTIONS. 2 cr. On sufficient demand.
60. EIGHTEENTH CENTURY HISTORY. 2 cr. 1 sem.
61. NINETEENTH CENTURY AND AFTER. 3 cr.
62. THE NEAR AND THE FAR EAST. 3 cr. 2 sem.
63. SEMINAR IN HISTORY. 1 cr. Sum. and 2 sem.

American History.

1. AMERICAN HISTORY: COLONIZATION AND UNION, 1492-1817. 3 cr. Sum. and each sem.
2. AMERICAN HISTORY: NATIONAL DEVELOPMENT, 1817-1876. 3 cr. Sum. and each sem.
3. KANSAS HISTORY. 2 cr. Sum. and 2 sem.
25. LATIN AMERICA. 2 cr.
26. THE WEST. 2 cr.
50. AMERICAN HISTORY, 1763-1817. 3 cr.
51. AMERICAN HISTORY, 1817-1860. 3 cr.
52. REBELLION AND RECONSTRUCTION, 1860-1876. 3 cr.
53. AMERICAN HISTORY SINCE 1876. 3 cr. Sum. and each sem.
75. HISTORY OF AMERICAN DIPLOMACY. 2 cr.

Government.

1. AMERICAN GOVERNMENT. 3 cr. Sum. and each sem.
2. LOCAL GOVERNMENT. 3 cr.
3. PRINCIPLES OF POLITICAL SCIENCE. 3 cr. Sum. and each sem.
50. AMERICAN POLITICAL PARTIES AND PARTY PROBLEMS. 3 cr.
51. INTERNATIONAL LAW. 3 cr.
52. COMPARATIVE GOVERNMENT. 3 cr.
53. SEMINAR. 1 cr.

Home Economics.

MAJOR: 33 to 35 cr., including courses 70 and 90.

5. SEWING AND TEXTILES. 5 cr. Sum. and each sem. *5a, Sewing,* 2 cr.; fee, 50 cts. *5b, Textiles,* 3 cr.; prerequisite or parallel, *5a* or equivalent; fee, $1.

10. DRAFTING AND DESIGN. 4 cr. Sum. 1922 and 1 sem. Prerequisite or parallel, course 5 and Art 1. Fee, 75 cts.

25. SURVEY OF FOODS. 4 cr. Sum. 1922 and 2 sem. Fee, $3.50.

30. FOODS. 5 cr. Sum. 1922 and 1 sem. Prerequisite, high-school chemistry (or Chemistry 1) and high-school physics (or parallel Physics 1). Fee, $5.

50. APPLIED COSTUME DESIGN. 4 cr. 1 sem. and sum. 1923. Prerequisite, course 10 and Art 3. Fee, 50 cts.

55. HOME NURSING. 3 cr. Sum. 1922 and each sem. Fee, 50 cts.

60. HOUSEHOLD MANAGEMENT. 5 cr. Sum. 1922 and 2 sem. Prerequisite, course 30 and Bacteriology 28. Fee, $5.

65. FOOD INDUSTRIES. 2 cr. 1 sem. Prerequisite, 1 year of high school foods, or course 25 or 30.

70. HOUSE AND HOME. 4 cr. 1 sem. In two parts: *70a, House Construction, and Sanitation,* 2 cr.; prerequisite, Bacteriology 28. *70b, Interior Decoration,* 2 cr.; prerequisite, Art 1 and Art 3.

80. DIETETICS. 3 cr. 2 sem. Prerequisite, course 60, and Chemistry 52. Fee, $4.

90. MODERN HOUSEHOLD. 3 cr. 1 sem. Prerequisite, or parallel, Sociology 1.

Latin.

MAJOR: 25 cr.

1. ELEMENTARY LATIN. 5 cr. Sum. and each sem.

2. LATIN PROSE READINGS. 5 cr. Sum. and each sem. Prerequisite, course 1.

4. CÆSAR AND COMPOSITION. 5 cr. Sum. and either sem. Prerequisite, course 2.

5. CICERO I: ORATIONS. 3 cr. Sum. and either sem. Prerequisite, course 4 or 2 years high school Latin.

6. CICERO II: Orations. 3 cr. Sum. and either sem.

25. VIRGIL I. 3 cr. Sum. and 1 sem. Prerequisite, 3 years of Latin.

26. VIRGIL II. 3 cr. 2 sem.

27. CICERO'S DE SENECTUTE, OR DE AMICITIA. 2 or 3 cr. Sum. and 1 sem. Prerequisite, courses 5 and 6.

28. LIVY: BOOK XXI; SELECTIONS FROM BOOK XXII. 3 cr. 1 sem.

29. ADVANCED LATIN GRAMMAR. 2 cr. Sum. and 1 sem. Prerequisite, 3 years of Latin.

30. ADVANCED LATIN COMPOSITION. 2 cr. 2 sem.

31. THE CLASSICAL ELEMENT IN ENGLISH. 2 cr. Sum. and each sem. Prerequisite, 1 year of Latin.

32. ORAL READING OF LATIN. 2 cr.

33. HORACE: SELECTED ODES AND CARMEN SAECULARE. 3 cr. 2 sem.

34. ROMAN PRIVATE LIFE. 2 cr. 2 sem.

50. LATIN COMEDY: THE CAPTIVI OF PLAUTUS AND THE PHORMIO OF TERENCE. 3 cr. Sum. and 2 sem. Prerequisite, course 27 or 28.

51. TACITUS GERMANIA AND AGRICOLA. 3 cr. Sum. and 2 sem. Prerequisite, course 27 or 28.

52. ADVANCED CÆSAR. 2 or 3 cr. Sum. and 2 sem. Prerequisite, courses 25 and 26 or Latin teaching experience.

53. TEACHING OF HIGH-SCHOOL LATIN. 2 cr. and sum.

75. Classical Poetry in Translation. 3 cr. Sum. and each sem. Not offered 1922-'23.

76. Teachers' Course in Composition. 2 cr. Sum. and 1 sem.

77. Roman Satire. 3 cr. 2 sem. Not offered 1922-'23.

78. Demonstration Class in Junior or Senior High School. 4 cr. Sum. and 2 sem.

Library Management.

1. Library Methods. No cr. Sum. and each sem. One hour a week for twelve weeks. Required for all certificates and degrees, except one-year state.

26. Library Economy and Administration I. 2 cr. Sum. 1922 and 1 sem. Prerequisite, course 1.

27. Library Economy and Administration II. 2 cr. 2 sem. and sum. 1923. Prerequisite, course 26.

29. Children's Literature. 3 cr. Sum. and 1 sem. Prerequisite, English 2 or 3.

51. Advanced Library Methods. No. cr. Sum. and each sem. One hour a week for twelve weeks. Accepted for requirements in lieu of course 1.

52. Book Selection and Classification. 3 cr. Sum. 1922 and 1 sem. Prerequisite, course 1 or 51.

53. Reference Books and Reference Work. 3 cr. Sum. 1922 and 2 sem. Prerequisite, course 52.

76. Cataloguing. 3 cr. 2 sem. and sum. 1923. Prerequisite, course 53.

Manual Art.

1. Mechanical Drawing. 4 cr. Sum. and each sem. Prerequisite, Plane Geometry. Supplies, $2.50.

2. Woodworking. 4 cr. Sum. and each sem. Prerequisite, course 1. Deposit, $2 to $5.

4. Farm Carpentry. 4 cr. Sum. and each sem.

5. Shop Mathematics. 3 cr. Sum. and each sem.

9. Joinery and Cabinetmaking. 4 cr. Sum. and each sem. Prerequisite, course 2. Deposit, $3 to $6.

10. Wood Turning. 4 cr. Sum. and each sem. Prerequisite, 16 hours manual training. Deposit, $2 to $5.

11. Furniture Construction. 4 cr. Sum. and each sem. Prerequisite, course 9. Students pay for material used.

12. Printing.* 4 cr. Sum. and each sem. Prerequisite, Rhetoric and Composition I.

13. Typography and Presswork.* 4 cr. Sum. and each sem. Prerequisite, course 12.

20. Wood Finishing. 2 cr. Prerequisite, 16 hours manual arts credit.

50. Theory and Practice. 2 cr. Sum. and 2 sem. Prerequisite, 16 hours manual training.

Mathematics.

Major: 20 to 35 cr., including courses 51, 52 and 53.

1. Advanced Arithmetic and Methods. 4 cr. Sum. and each sem. Prerequisite, 1 year each of algebra and geometry.

2. Advanced Algebra and its Applications. 3 cr. Sum. and each sem. Prerequisite, 1 year each of algebra and geometry.

* May be submitted for any certificate or degree excepting the degree of B. S. in Education.

25. Teaching of Elementary Mathematics. 2 cr. Sum. and each sem. Prerequisite, same as for course 1, and review arithmetic.

26. Teaching of Commercial Arithmetic. 2 cr. Sum. and 1 sem.

27. Solid Geometry. 3 cr. Sum. and 2 sem. Prerequisite, 1 year each of algebra and plane geometry.

28. Trigonometry. 3 cr. Sum. and each sem. Prerequisite, course 2 or equivalent.

29. Surveying. 2 cr. Sum. and each sem. Prerequisite or parallel, course 28.

30. College Algebra. 5 cr. Each sem. Prerequisite, 1 year each of algebra and geometry.

31. College Algebra. 3 cr. Sum. and each sem. Prerequisite, 1½ years of high-school algebra or course 2.

50. Analytics. 4 cr. 1 sem. Prerequisite, courses 28 and 30 or 31.

50*s*. Analytics. 3 cr. Sum. Prerequisite, same as for course 50.

51-52. Calculus. 6 cr. Sum. upon demand and 3 cr. each sem. Prerequisite, course 50.

53. Teaching of High-school Mathematics. 2 cr. Sum. and 1 sem. Prerequisite, course 28.

54. Astronomy. 2 cr. Sum. and 2 sem. Prerequisite, Plane Geometry. Upon sufficient demand, the following will be offered:

75. History of Mathematics. 2 cr. Prerequisite, courses 28 and 30.

76. Solid Analytic Geometry. 2 cr. Prerequisite, courses 50 or 50*s*.

77. Differential Equations. 3 cr. Prerequisite, course 52.

78. Higher Algebra. 2 cr. Prerequisite, Analytic Geometry.

Modern Languages.

Major: in French, Spanish or German, 20 cr. of college work, not including course 1 and inclusive of courses in oral composition, history of the literature, and teaching of the language.

French.

1. Elementary French. 5 cr. Sum. and 1 sem.

2. Intermediate French. 5 cr. Each sem. Prerequisite, course 1, or 1 unit of high-school French.

25. Second-year French Reading. 3 cr. Each sem. Prerequisite, course 2, or 2 units of high-school French.

26. Second-year French Composition. 2 cr. Each sem. Prerequisite, course 2, or 2 units of high-school French.

27. Modern French Drama. 3 cr. 2 sem. Prerequisite, courses 25 and 26.

30. Oral French Composition. 2 cr. 2 sem. Prerequisite, course 25.

50. Modern French Fiction. 3 cr. Each sem. Prerequisite, courses 25 and 26.

51. Advanced French Composition. 2 cr. 2 sem. Prerequisite, courses 25 and 26.

52. The Classic French Writers. 3 cr. On sufficient demand. Prerequisite, courses 50 and 51.

53. French Romanticism. 3 cr. On sufficient demand. Prerequisite, courses 50 and 51.

75. Survey of French Literature. 3 cr. On sufficient demand. Prerequisite, course 52.

76. The Teaching of High-school French. 4 cr. On sufficient demand.

Spanish.

1. Elementary Spanish. 5 cr. Sum. and each sem.
2. Intermediate Spanish. 5 cr. Each sem. Prerequisite, course 1.
25. Modern Spanish Fiction. 3 cr. Each sem. Prerequisite, course 2.
26. Spanish Composition I. 2 cr. Each sem. Prerequisite, course 2.
27. Commercial Spanish. 2 cr. 1 sem. Prerequisite, course 26.
28. Oral Spanish. 2 cr. 2 sem. Prerequisite, course 25.
50. Modern Spanish Drama. 3 cr. 2 sem. Prerequisite, courses 25 and 26.
51. Spanish Composition II. 2 cr. 2 sem. Prerequisite, course 26.
75. Teaching of High-school Spanish. 2 cr. 1 sem.

German.

1. Elementary German. 5 cr. 1 sem.
2. Intermediate German. 5 cr. Sum. and 2 sem. Prerequisite, course 1, or 1 unit of high-school German.
25. German Short Stories. 5 cr. On sufficient demand. Prerequisite, course 2, or 2 units of high-school German.
26. Introductory German Classics. 5 cr. On sufficient demand. Prerequisite, course 25, or 3 units of high-school German.
27. German Prose Composition. 3 cr. On sufficient demand. Prerequisite, course 26 or equivalent.
28. Oral German Composition. 2 cr. On sufficient demand. Prerequisite, course 26.
50. Goethe. 3 cr. On sufficient demand. Prerequisite, course 27.
51. Lessing. 3 cr. On sufficient demand. Prerequisite, course 27.
52. Nineteenth Century Fiction. 3 cr. On sufficient demand. Prerequisite, course 50 or 51.
53. Nineteenth Century Drama. 3 cr. On sufficient demand. Prerequisite, course 50 or 51.
75. History of German Literature. 2 cr. On sufficient demand. Prerequisite, course 52 or 53.
76. History of German Literature II. 2 cr. On sufficient demand. Prerequisite, course 52 or 53.
77. Phonetics. 1 cr. On sufficient demand.

Music.

1. Elementary Sight Singing.* 2 cr. Sum. and each sem.
2. Intermediate Sight Singing.* 2 cr. 2 sem. Prerequisite, course 1.
8. Rural-school Music.* 3 cr. Sum. and each sem.
10. Music Material I, including Chorus Singing I and Conducting.* 1 cr. Each sem.
10*a*. Music Material II, including Chorus Singing and Conducting.* 1 cr.
11. Music Appreciation I. 2 cr.
11*a*. Music Appreciation II. 2 cr. 2 sem. Prerequisite, course 11 or 12.
12. Music History and Appreciation I. 2 cr. Sum. and 1 sem.
13. Music History and Appreciation II. 2 cr. 2 sem. Prerequisite, course 12.
15. Instrumental Ensemble.* 1 cr.

* This course cannot be submitted as credit for the degree of Bachelor of Science in Education, but can be submitted for the degree of Bachelor of Science in Music and in Commerce and for any certificate.

25. Kindergarten and Primary Music and Practice Teaching. 2 cr. Sum. and each sem. Prerequisite, course 2.

25*a*. Kindergarten and Primary Music Instruction. 2 cr. Sum. and 2 sem. Prerequisite, course 1.

26. Grade and Junior High-school Music. 2 cr. Sum. and each sem. Prerequisite, course 27.

27. Advanced Sight Singing.* 2 cr. 1 sem. Prerequisite, course 2.

29. Elementary Harmony I. 2 cr.

30. Elementary Harmony II. 2 cr. Each sem. Prerequisite, course 29.

37. History of Music I. 2 cr. 1 sem.

38. History of Music II. 2 cr. 2 sem. Prerequisite, course 37.

39. Elementary Piano Methods.* 1 cr. Sum. and 2 sem. Fee, $5.

40. Advanced Piano Methods.* 1 cr. Sum. and 1 sem. Prerequisite, course 39. Fee, $5.

41. Voice Methods I. Fee, $5.

42. Voice Methods II. Fee, $5.

43. Violin Methods I. Fee, $5.

44. Violin Methods II. Fee, $5.

45. Ensemble Playing or Singing I. 1 cr.

46. Ensemble Playing or Singing II. 1 cr.

47. History of Oratorio. 2 cr.

48. Elements of Musical Notation. 2 cr.

50. Community Music and Chorus Conducting I.* 2 cr. Sum. and 1 sem.

51. Ear Training I. 2 cr.

52. Ear Training II. 2 cr.

53. Intermediate Harmony. 2 cr. 2 sem. Prerequisite, course 30.

54. Advanced Harmony. 2 cr. Prerequisite, course 53.

55. Harmonic Analysis and Form. 2 cr. Prerequisite, course 54.

56. Intermediate Solfeggio.* 2 cr. Sum. and 1 sem. Prerequisite, course 27.

57. Advanced Solfeggio.* 2 cr. 2 sem. Prerequisite, course 56.

58. Technic of Opera.* 2 cr. 1 sem.

75. Counterpoint and Composition I. 2 cr. 1 sem. Prerequisite, course 54.

76. Counterpoint and Composition II. 2 cr. 2 sem. Prerequisite, course 75.

77. Orchestra Study and Conducting II.* 1 cr. Sum. and 2 sem. Prerequisite, course 50.

78. High School Music Instruction. Sum. and 2 sem. 2 cr. Prerequisite, course 56.

79. Systems.* 1 cr. Sum. and 1 sem. Prerequisite, course 26.

80. Solfeggio Review.* No credit. Prerequisite, course 57.

Physical Education.

Major:

Physiology	5 cr.
Anatomy	5 cr.
Kindergarten Plays and Games	2 cr.
School Hygiene and Sanitation	3 cr.
History of Physical Education	2 cr.
Playground Supervision	3 cr.
Applied Anatomy	3 cr.
Kinesiology	3 cr.
Methods of Education and Coaching	3 cr.

Theory.

1. History of Physical Education. (Men and Women.) 2 cr. Sum. and each sem.

2. Playground Supervision and Instruction. (Men and Women.) 3 cr. Sum. and each sem.

3. Theory of Coaching and Management of Men's Athletics. 3 cr. Sum. and each sem.

26. Methods of Physical Education and Coaching. (Men and Women.) 3 cr. 1 sem. Open only to sophomores.

51. Applied Anatomy. (Men and Women.) 2 cr. Sum. and 2 sem. Prerequisite, Anatomy.

52. Kinesiology. (Men and Women.) 3 cr. 2 sem. Prerequisite, Human Anatomy.

53. Anthropometry.† (Men and Women.) 1 cr. Sum. and each sem.

54. Physiology of Exercise. (Men and Women.) 3 cr. Sum. and each sem.

55. Boy Scout Movement. (Men and Women.) 2 cr. Sum.

Practice.

MEN'S DEPARTMENT.

Required in Freshman and Sophomore Years: 1 hour per sem. unless excused by the president. (Three periods a week in gymnastics, athletics or other elective work during 1 sem. of 18 weeks gives 1 cr.)

2. Elementary Gymnastics. 3 periods a week.

3. Intermediate Gymnastics. Prerequisite, course 2 or equivalent. 3 periods a week.

4. Advanced Gymnastics. Prerequisite, course 3. 3 periods a week.

7. Football. Given in season.

8. Basket Ball. Throughout the year.

9. Baseball. Given in season.

10. Track and Field Athletics. Given in season.

11. Field Hockey. Given in season.

12. Tennis. Given in season.

13. Swimming. Given throughout the year.

WOMEN'S DEPARTMENT.

Required in Freshman and Sophomore Years: 1 hour per sem. unless excused by the president. (Three periods a week in gymnastics, athletics or other elective work during 1 sem. of 18 weeks gives 1 cr.)

2. Elementary Gymnastics. 3 periods a week.

3. Intermediate Gymnastics. Prerequisite, course 2 or equivalent. 3 periods a week.

7. Corrective Gymnastics.

8. Outdoor Sports. Prerequisite, 2 terms of Gymnastics. 3 periods a week in season.

10. Basket Ball. Prerequisite, course 2.

11. Baseball. 1 period a week in season.

12. Hockey. 1 period a week in season.

13. Tennis. 1, 2 or 3 periods a week.

14. Swimming. 1 lesson a week.

† This course cannot be submitted as credit for the degree of Bachelor of Science in Education, but can be submitted for the degree of Bachelor of Science in Commerce and in Music and for any certificate.

20. Advanced Gymnastics. Prerequisite, course 3.

23. Methods in Floor Work. Required of all students during their second year of college work who have completed course 2. 3 periods a week.

26. Æsthetic Dancing (Elementary). 2 periods a week.

27. Folk Dancing (Intermediate). 1 period a week.

28. Æsthetic Dancing (Intermediate). Prerequisite, course 2.

29. Folk Dancing (Intermediate). Prerequisite, course 27. 1 period a week.

30. Advanced Æsthetic Dancing.

31. Advanced Folk Dancing.

Physics.

Major: 20 cr., not including course 1.

1. General Physics. 5 cr. 1 sem.

2. Household Physics. 3 cr. 1 sem. Prerequisite, high-school physics, or Physics 1.

3. Radio Telegraphy and Telephony. 3 cr. Sum. and 2 sem. Prerequisite, high-school physics.

4. Gas Engines and Automobiles. 3 cr. 1 sem. Prerequisite, high-school physics.

5. Elements of Electrical Engineering. 3 cr. Prerequisite, high-school physics.

6. Visual Education. 2 cr. Sum. and 2 sem.

25. Mechanics of Sound and Heat. 5 cr. Sum. and 1 sem. Prerequisite, 1 year each of algebra, geometry, and high-school physics, or course 1; also trigonometry.

26. Light, Magnetism, Electricity. 5 cr. Sum. and 2 sem. Prerequisite, same as for course 25.

50*a*. Advanced Mechanics. 3 cr. 1st half of 1 sem. and sum. 1923. Prerequisite, courses 25 and 26 and trigonometry.

50*b*. Advanced Heat. 2 cr. Sum. 1922 and 2d half of 1 sem. Prerequisite, same as for course 50*a*.

51. Advanced Magnetism and Electricity. 4 cr. 2 sem. Prerequisite, same as for course 50*a*.

52. Advanced Light. 2 cr. 2 sem. Prerequisite, course 26.

75. Advanced Alternating Current Electricity. 3 cr. 2 sem. on demand. Prerequisite, course 51.

Physiology and Hygiene.

5. Personal Hygiene. 3 cr. Sum. and each sem.

8. School Hygiene and Sanitation. 3 cr. Sum. and each sem.

25. Advanced Physiology. 5 cr. Sum. and each sem.

50. Human Anatomy. 5 cr. Each sem.

51. Histology. 2 cr. 2 sem.

Psychology and Philosophy.

Major: 26 cr., including required work.

1. Elementary Educational Psychology. 3 cr. Sum. and each sem.

3. Child Psychology. 2 cr. Sum. and each sem. Prerequisite, course 1.

25. Social Psychology. 2 cr. 2 sem. Prerequisite, course 1.

26. Measurement of Intelligence. 3 cr. Sum. and each sem. Prerequisite, course 1.

27. Business Psychology. 3 cr.. On demand. Prerequisite, course 1.

50. Psychology of Religion. 2 cr. On demand. Prerequisite, course 1.

53. Psychology of Adolescence. 3 cr. Sum. and 1 sem. Prerequisite, course 1.

55. Abnormal Psychology. 2 cr. 1 sem.

56. Vocational Psychology. 2 cr. 2 sem. Prerequisite, course 1.

75. Educational Psychology. 3 cr. Sum. and 2 sem. Prerequisite, course 1.

Philosophy.

60. Ethics. 2 cr. 1 sem.

61. History of Ancient and Mediæval Philosophy. 2 cr. 1 sem.

62. History of Modern Philosophy. 2 cr. 2 sem.

63. Introduction to Philosophy. 2 cr.

64. Problems in Modern Philosophy. 2 cr. 1 sem.

Public Speaking and Expression.

Major: 20 cr.

1. Oral English. 3 cr. Sum. and each sem.

25. Expression I. 3 cr. Sum. and each sem. Prerequisite, course 1.

26. Public Speaking I. 3 cr. Sum. and each sem. Prerequisite, course 1.

27. Story-telling. 3 cr. Sum. and each sem. Prerequisite, course 1.

28. Dramatics I. 2 cr. Sum. and each sem. Prerequisite, course 1 or equivalent.

29. Argumentation and Debate. 2 cr. Sum. and each sem.

50. Dramatics II. 2 cr. Sum. and each sem. Prerequisite, course 28.

51. Public Speaking II. 3 cr. Each sem. Prerequisite, course 26.

52. Expression II. 3 cr. Each sem. Prerequisite, course 25.

53. Pageantry. 2 cr. Sum.

75. The Occasional Address. 2 cr. Each sem. Prerequisite, course 51.

76. Platform Reading. 2 cr. Each sem. Prerequisite, courses 25, 28, and 3 cr. of literature.

77. Methods in Oral English. 2 cr. 2 sem. Prerequisite, courses 25, 26 and 28.

Private Lessons. It is necessary that the student who majors in this department have individual work. For this the private lesson is offered, to be arranged after consultation with the head of the department. Special fee for a term of nine weeks, $11.25. Persons interested should consult Professor Gilson.

Sociology and Economics.

Major: 20 cr.

1. Introduction to College Life. 3 cr. Sum. and 1 sem. Required of all freshmen.

2. Introduction to Sociology. 3 cr. Sum. and each sem.

31. Principles of Sociology I. 3 cr. Sum. and each sem. Prerequisite, course 2 or 30 cr.

51. Principles of Sociology II. 3 cr. 2 sem. and sum. 1923. Prerequisite, course 31 or 60 cr.

52. Educational Sociology. 3 cr. Sum. 1922 and 1 sem. Prerequisite, course 31 or 60 cr. and consent.

83. Social Forces in America. 3 cr. 1 sem. Not offered in 1922-'23. Prerequisite, course 31 or 60 cr. and consent.

84. Sociological Problems. 3 cr. 1 sem. Prerequisite, 60 cr., including course 31 or 51.

Economics.

1. Introduction to Economics. 3 cr. 1 sem. and sum. 1923.

2. Principles of Economics. 3 cr. Sum. 1922 and 2 sem.

51. Labor Problems. 3 cr. 2 sem. Prerequisite, course 1 or 2 and 30 cr.

52. Money and Banking. 3 cr. Not offered in 1922-'23. Prerequisite, course 1 or 2 and 30 cr.

Teacher-training System.

Introductory Subjects.

1. Elementary Instruction. 3 cr. Sum. and each sem. Not open to students who have credit in rural-school instruction. Prerequisite, Psychology 1.

1*a*. Elementary Instruction. 3 cr. Sum. and each sem. Equivalent to course 1.

75. High-school Instruction. 3 cr. Prerequisite, Educational Psychology.

Kindergarten-Primary or Primary-Kindergarten Education.

1. Primary Methods. 4 cr. Sum. and each sem. Prerequisite, Elementary Instruction.

2. Industrial Art for Primary and Kindergarten Teachers. See Art, course 2.

3. Play Materials. 3 cr. Sum. and 2 sem. Prerequisite, Elementary Instruction.

4. Kindergarten Plays and Games. 2 cr. Sum. and each sem. Prerequisite, Elementary Instruction.

5. Practice Teaching. See "Student Teaching Prerequisites and Requirements."

6. Kindergarten and Primary Music Instruction. See Public-school Music, course 4*a*.

7. Supervision in the Primary School. 3 cr. Sum. 1922, 1924, and 2 sem. Prerequisite, Elementary Instruction.

26. Period of Infancy. 3 cr. Sum. and 1 sem. Prerequisite, courses 1 and 3.

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VOLUME I BULLETIN SERIES, MAY 1, 1922 No. 1, PT. 2

KANSAS
STATE NORMAL SCHOOL
EMPORIA

GENERAL CATALOG 1922

Part 2—Announcement of Courses, 1922-'23

The General Catalog, 1922, is issued in five separate parts. Ask for them as needed:

Part 1—General Information.
Part 2—Announcement of Courses, 1922-'23.
Part 3—The School of Music.
Part 4—Roosevelt High School.
Part 5—Directory.

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KANSAS STATE NORMAL LIBRARY

KANSAS STATE NORMAL SCHOOL

EMPORIA

GENERAL CATALOG 1922

PART 2—ANNOUNCEMENT OF COURSES, 1922-'23

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THE
HARVARD MEDICAL
LIBRARY

Courses Offered.

Abbreviations: cr. is an abbreviation for semester hours of credit; sem. for semester; sum. for Summer School. When no year is specified, a course marked sum. comes every summer. A figure preceding sem., indicates which semester the course is offered.

Election of Courses: Subjects of the course of study are listed as freshman, sophomore, junior or senior, within the numbers 1 to 24, 25 to 49, 50 to 74, and 75 to 100, respectively. While a student is expected to take his studies from the subjects assigned to his class, a variation of one class may be permitted by his adviser, except when prerequisite requirements prevent. For example, a freshman may take one or more sophomore subjects, a sophomore may take freshman or junior subjects, a junior may take sophomore or senior subjects, and a senior may take junior subjects. Any greater variation can be permitted only by the president.

Administration.

School Administration.

Professor Carothers. Associate Professor Worcester.

10. Educational Measurements I. 2 cr. Sum. and each sem. A study of standardized tests and their use in teaching.—Carothers, Worcester.

12. The Junior High School. 2 cr. Alternate years, 2 sem.; next offered 1922-'23. Historical considerations, demands of adolescent child. Principles of school administration relating to the junior high school.—Carothers.

50. History of Education. 2 cr. Sum. 1923. The history of modern education.—Carothers.

52. Educational Measurements II. 2 cr. 2 sem. Prerequisite, course 10. Educational statistics, methods of devising tests, school surveys.—Worcester.

53. Supervision of Instruction. 3 cr. Sum. and each sem. Observation and analysis of best classroom procedure. The means and methods of supervision.—Carothers.

55. Principles of Education. 3 cr. Sum. and each sem. Prerequisite, 60 hours. The educative process, educational values and social progress through educational agencies.—Carothers.

60. Educational Administration. 3 cr. On request of ten or more advanced students. The larger problems of school administration with special reference to larger school systems.—Carothers.

62. High-school Administration. 2 cr. Sum. and each sem. Schedule-making, problems of discipline, supervised study with special reference to small high schools.—Carothers.

66. Educational Research. 2 cr. Each sem. Prerequisite, 90 hours. The methods of research, study of problems needing solution in school system of Kansas.—Carothers.

Rural-school Administration.

Professor Culter. Associate Professor Smith.

1*a*. Elementary Instruction. (See Teacher-training System.)

2. Rural-school Administration. 2 cr. For those who are interested in rural schools or intend to teach in consolidated or small village schools. A study of the school site and grounds, modern schoolhouses, school hygiene and sanitation, training of teachers, play and playgrounds, the library and its uses, agriculture, consolidation, standardization of rural schools, etc. Emphasis on conditions as they exist in the country, and how to bring about a closer union of school and home. Not open to students who have credit in graded-school administration or course 3.—Culter.

3. Grade-school Mechanics. 2 cr. Sum. Classroom organization and routine; the daily program and regular and special reports; tests and measurements; selection and care of equipment; the problems of discipline; professional relationships and professional ethics. A consideration of how the teacher may coöperate with the supervisor and administrator. Not open to students who have credit in graded-school administration or course 2.—Smith.

5. Rural-school Instruction and Administration. 5 cr. 1 sem. A combination of courses 1*a* and 2.—Culter.

6. Rural-life Problems. 3 cr. 2 sem. A discussion of the problems of rural life under the general topics of the rural problems, rural industrial problems, and rural social problems, considering specific problems of isolation, tenancy, roads, movement of farm population, home environment, schools, the church, farm organizations, social life, etc.—Culter.

12. Practice Teaching in Rural Schools. 4 cr. Practice teaching in a rural or small-town school. For a detailed account of this course see "The Teacher-training System."—Culter.

25. Rural Sociology. 3 cr. Sum., 1 sem. and spring term. Study of social conditions and problems in rural districts and villages. An analysis of the various agencies for rural betterment, such as the need of amusement, social organization and coöperation, school and church centralization. Particular attention to Kansas conditions.—Culter.

26. County Supervision. 4 cr. Upon sufficient demand. A study of certain sections of the Kansas school law, and comparison with laws of other states. Office work and the making of official papers, organization and administration of rural schools, maintenance of schools, supervision of rural schools, schoolhouse and grounds, consolidation.—Culter.

27. Rural Economics. 2 cr. Emphasis upon theories of economics most prominent in agriculture. Illustrative material drawn mainly from farm sources. Distinctly practical as possible.—Smith.

50. State and County School Administration. 3 cr. Sum. 1922. Based on a source book which treats of American federal and state policy, state administration organization, extent of the educational system, financing the school system, material environment and equipment, the state and the teacher, the oversight of the state. Principles and conclusions formulated by the class. General study of the whole subject and detailed study of assigned topics required of each member of the class.—Culter.

52. Administration of Small High Schools. 3 cr. Sum. The problems of organization and administration of schools in rural communities and in towns of less than 4,000 population. Designed primarily for persons who are engaged in or expect to become engaged in administrative school work outside of our large towns. The superintendent as a social and educational agent; his work in administration of the school, in interpretation of the courses of study, the supervision of instruction and recreation, the study of pupil and community

needs, and as the head of a community center social and educational institution. Not open to students who have credit in High-school Administration.—Smith.

53. Rural-school Seminar. By consultation with the head of the department. Rural-school problems, or rural-school surveys. The number of hours credit will depend upon the amount of work required for completing the project.—Culter.

54. The Consolidated School. 2 cr. Sum. For students interested in the promotion or supervision of a consolidated school. History of the school system, school consolidation laws, organization of district, school organization, transportation systems, and the relation of the consolidated school to the community.—Smith.

Agriculture.

Professor Phipps. Instructor Welch.

Major: 20 cr.

1. Grain Crops. 3 cr. Sum. 1922 and 2 sem. General course in study of all common grain crops; grain judging; identification of market grades; marketing; rotations and crop improvement.—Phipps.

2. Forage Crops. 2 cr. General course in study of forage crops, including all rowed crops grown for forage, hay crops, and pasture crops; crop rotations, and crop improvement.—Phipps.

3. Market and Breeding Types and Classes of Live Stock. 3 cr. Each sem. A general course in studying and judging horses, beef cattle, dairy cattle, sheep and swine. A study of market requirements and classification of live stock; the origin, development and breed characteristics of each of the common breeds of live stock; actual practice in judging. Judging at adjacent breeding estates and at sales and fairs.—Welch.

25. Feeds and Feeding. 3 cr. 2 sem. A study of plant growth and animal nutrition; feeding standards and rations; feeding stuffs; manurial values of feeding stuffs; principles of feeding farm animals; general problems in animal production.—Welch.

26. Horticulture and Forestry. 4 cr. 2 sem. A study of large and small fruits; vegetables; care and management of orchards; sprays and spraying; pruning; diseases, their prevention and control, etc. A brief study of forestry, farm woodlots; building materials, posts, etc.; and the preservation of wooden building materials.—Phipps.

27. School and Home Gardening. 1 cr. Sum. and each sem. A general course in school and home gardening. City gardening and garden clubs. Practical experience through supervision of gardens in the city of Emporia. Laboratory work with the model gardens and campus, under direction of Mr. Phipps.

28. Rural-school Agriculture. 2 cr. Sum. and 2 sem. Designed for rural-school teachers. The whole field of rural-school agriculture, school and home projects in agriculture, and school extension work in agriculture. All rural-school teachers desiring a general course in agriculture should choose this one.—Phipps.

50. Soils. 3 cr. 1 sem. and sum. 1923. Prerequisite, Chemistry 1. A general course in soils, their properties and management. A study of soil types and their improvement. A large part of the time spent in laboratory work in exercises and experiments with soils.—Phipps.

51. Dairying. 2 cr. Sum. and each sem. A general course in dairying, covering the field that should be developed in teaching high-school dairying. A study of the breeds of dairy cattle; judging, care and management of dairy herds; the production of clean milk and cream; the by-products of

milk; state and United States dairy laws, etc. A large part of the time spent in laboratory work with dairy products, dairy machinery and dairy inspection.—Phipps.

52. Live-stock Production. 4 cr. Sum. 1922 and 1 sem. Prerequisite, courses 3 and 25. An advanced course in animal husbandry. Principles of breeding; live-stock improvement; care and management of herds; sanitation; and inspection trips to near-by farms and breeding estates.—Welch.

53. Landscaping. 1 cr. Sum. and 2 sem. Prerequisite, course 27. A study of the arrangements of trees, shrubs, flowers, etc., on school, home and public grounds, and the combinations of plants for best landscape effect. Designing school and home grounds and landscape plans. For students majoring in agriculture.—Phipps.

75. Farm Management. 4 cr. 1 sem. and sum. 1923. Prerequisite, major work in agriculture. A study of types of farming; kinds of farming; crop and live-stock problems in farming; managerial problems in farming; farm capital; farm labor; systems of farm rental; farm equipment; farm layout; problems in marketing; farm accounting; choice of a farm region, and choice of the farm. An advanced course for major students.—Phipps.

Art.

Professor Gridley.
Instructor Eckdall.
Instructor Day.
Instructor Hall.
Instructor Morrison.
Instructor Shimonek.

Major: About 30 cr.

1. Free-hand Drawing. 4 cr. Sum. and each sem. Free-hand outline drawing. Principles of perspective; elementary composition, including decorative rendering in outline, flowers, landscape and still life.—Gridley.

2. Free-hand Drawing II. 5 cr. Sum. and each sem. Prerequisite, course 1. Free-hand mass drawing in charcoal and water color. Principles and practice of design. Theory and practice of color harmonies. Original compositions in landscape, still life and nature forms rendered with the brush in water color and tempera, also in colored crayon and paper cutting.

3. Industrial Art for Primary Teachers. 5 cr. Sum. and each sem. Elementary free-hand drawing; methods of using water color and color crayons; elements of design, blackboard drawing, weaving, modeling, paper cutting and lettering.—Eckdall.

12.—Industrial Art for Rural Teachers. 3 cr. Sum. Problems in weaving, paper cutting, colored crayons, etc.

13. Blackboard Drawing. 2 cr. Sum. and 2 sem. Prerequisite, course 1. Practice in blackboard drawing, using chalk and charcoal. The purpose of the course is to give facility with the chalk for general illustrative purposes in the classroom.

14. Clay Modeling I. 2 cr. Sum. and each sem. Problems suitable for the lower grades.—Eckdall.

16. Raffia Basketry. 2 cr. Sum. and each sem.—Eckdall.

17. Reed Basketry. 2 cr. Sum. and each sem.—Eckdall.

18. Commercial Design I. 1 cr. Sum. and 2 sem. Instruction and practice in decorative lettering and poster design.—Day.

19. Commercial Design II. 1 cr. Sum. and 2 sem. Prerequisite, course 18.—Day.

20. Picture Study in the Grades. 2 cr. Sum. and each sem. Methods of interesting children in good pictures.—Gridley.

26. Industrial Art for Intermediate Teachers. 2 cr. Sum. and 2 sem. Prerequisite, course 1. Problems adapted to children from the fourth to the sixth grade, involving design, the use of water color, color crayons, simple color harmonies, modeling, weaving, etc.—Day.

27. Industrial Art for High-school Teachers. 3 cr. Sum. and 2 sem. Prerequisite, course 2. Problems similar to those given in course 26, but adapted to high-school students; also instruction and practice in applying designs to the processes of silversmithing, leather tooling, block printing, etc.—Day.

28. Clay Modeling II. 2 cr. Sum. Prerequisite, course 14. Advanced pottery problems and modeling from the cast.—Eckdall

51*a*. Advanced Study of Light and Dark Values. 2 cr. Sum. and 2 sem. Prerequisite, course 3. Advanced problems in composition rendered with charcoal and brush in dark and light. Still life, nature and landscape forms. —Eckdall.

51*b*. Advanced Study of Light and Dark Values. 2 cr. Sum. and 2 sem. Prerequisite, course 51*a*.—Eckdall.

52*a*. Advanced Study of Color Values and Harmonies. 2 cr. Sum. and 2 sem. Prerequisite, course 51*a*. Advanced problems in color and composition, rendered in water color.—Eckdall.

52*b*. Advanced Study of Color Values and Harmonies. 2 cr. Sum. and 2 sem. Prerequisite, courses 51*b* and 52*a*.—Eckdall.

55. Interior Decoration. 2 cr. Sum. and 1 sem. Prerequisite, course 3. Fundamental principles regarding the interior arrangement of the home and its decoration. The study of furniture and the choice of it for the home. The study of color in its relation to walls, pictures, draperies and floor coverings. Elevations of walls, showing spacings, color schemes, draperies, placing of furniture, etc., are designed and drawn in color by the students.

56. History of Art I. 2 cr. 2 sem. A brief survey of the history of architecture.

57. History of Art II. 4 cr. 2 sem. (Not given in 1922-'23.) A study of the history of modern painting.

58. History of Art III. 2 cr. 1 sem. A brief study of American art.

62. Art Appreciation. 3 cr. Sum. and each sem. A study of art with reference to recognized principles as applied to architecture, sculpture and painting.

63. Advanced Perspective. 3 cr. 1 sem.

Biology and Geology.

Professor Wooster. Associate Professor Agrelius. Instructor Billig.

The Science of Organisms—Zoology and Botany.

Major: In the Department of Biology and Geology or in the Biological Science group, 25 cr. Five hours may be taken in the Department of Chemistry, course 1.

1. Animal Ecology (Animal Sociology). 5 cr. Each sem. Daily recitations, including laboratory. Includes courses 1*a* and 1*b*.

1*a*. Field Zoology. 2 cr. Sum. and first half of 1 sem. and second half of 2 sem. Daily recitations, including laboratory. Intended for those who desire to gain a knowledge of birds and insects for use in agriculture, nature study and other work in natural history. Methods of teaching biological science in the grades.—Wooster.

1*b*. Animal Life. 3 cr. Second half of 1 sem. and first half of 2 sem. Recitations daily. An ideal course for the study of the philosophy of life and living. A methods course for teaching the sociology of animal life in the grades and high school.—Wooster.

25. Principles of Biology. 5 cr. Each sem. Daily recitations, including laboratory. Includes 25*a* and 25*b*.—Wooster.

25*a*. Vocational Botany. 2 cr. First half of 1 sem. and second half of 2 sem. Daily recitation, including laboratory. Plants studied in their home garden and farm relations, with a minimum of pure botany. Fifty experiments performed by class to show soil relations, food making and usefulness of plants.—Wooster.

25*b*. Systematic Zoölogy. 3 cr. Second half of 1 sem. and first half of 2 sem. A brief but fairly satisfactory study of the evolution or development of animal life. Important forms of animal life are studied and dissected.—Wooster.

Environmental Science—Geology.

7. Geology of Kansas. 2 cr. Sum. Daily recitation and laboratory. Studies of soil, climate and subjacent rock formations of Kansas, with the included forms of extinct life in the latter. Studies of Kansas wind, rain, air, moisture and running water in their geological relations.—Wooster.

50. Geology of the United States. 5 cr. Each sem. Daily recitation, including laboratory, with field trips. A study of dynamical, structural and historical geology of our country. A necessary preparation for the teaching of physical geography and for the appreciation of natural scenery.—Wooster.

The Scientific Method—School Science.

8. Nature Study. 2 cr. Sum. Recitations daily except Saturday. Methods of teaching natural history in the grades.—Wooster.

15. Elementary Science. 2 cr. Sum. and each sem. Selection of subject matter and best methods of presentation in grades and junior high schools. Plant and animal life, physics, chemistry, hygiene and sanitation as they affect the life of the child in relation to his environment. Their relation to the course of study and to the other subjects in the curriculum. Social and economic phases of the subject.—Billig.

26. General Science. 2 cr. Sum. Recitations daily except Saturday. A short course for methods of teaching the elements of sciences.—Wooster.

51. Elements of the Sciences. 3 cr. Each sem. A general preparation for teaching general science in the junior high school. Discussion of science teaching in general.—Wooster.

Botany and Bacteriology.

Associate Professor Agrelius.

Not more than six hours of bacteriology may be counted on the degree of B. S. in Education.

16. Plant Nature Study. 2 cr. Sum. and each sem. The phases of plant life which may be profitably presented in the grades. The modes of presenting such work and the literature useful in teaching the subject. Deposit, 75 cts.—Agrelius.

17. Developmental Botany. 5 cr. Sum. and each sem. Includes the following divisions, either of which may be taken without the other, but preferably 17*a* first. Deposit, 75 cts.—Agrelius.

17*a*. Developmental Botany of Spore Plants. 2 cr. Sum. and each sem. A systematic study of the lower plants from the simplest upward, ending with the appearance of seeds. Special emphasis on the forms of particular im-

portance, such as the bacteria and other fungi. Should be followed by course 17*b*. Deposit, 75 cts.—Agrelius.

17*b*. Developmental Botany of Seed Plants. 3 cr. Sum. and each sem. The study of seed plants. Begins with the seed and its germination and follows the developing plant through its various stages, including maturity. Special attempt is made to give the course cultural and economic value. It supplements course 17*a*, but is a unit by itself. Deposit, 75 cts.—Agrelius.

27. General Bacteriology. 3 cr. Sum. and 2 sem. A general course in bacteriology. The preparation and use of ordinary and special media and stains, and other bacteriological technic. The distribution, dissemination, classification and identification of bacteria. Special attention to those forms causing disease in man and other animals, and to immunity from these organisms; to water supplies, the disposal of sewage; and to individual and community hygiene. Deposit, $2.—Agrelius.

28. Household Bacteriology. 3 cr. 1 sem. The preparation of media for growing bacteria and molds; the staining of these organisms; their forms and functions; their relation to the home. The preservation of fruit; the effect of bacteria on milk, butter and other foods; the location of wells and the care of the same; the disposal of wastes; and the lighting and furnishing of the home as affecting the health of its occupants. Deposit, $2.—Agrelius.

29. Agricultural Bacteriology. 3 cr. 2 sem. Chiefly laboratory work, including methods of growing and staining bacteria; a study of the kinds of special interest to the farmer because of their relation to soil formation and fertility, to disease in live stock, and dairy and other farm products. Deposit, $2.—Agrelius.

30. Plant Anatomy. 3 cr. 1 sem. Prerequisite, course 17 or its equivalent. A study of the tissues of plants in relation to their functions. A set of microscope slides is prepared by the student for his own use or for use in presenting the subject of botany in high schools. Deposit, $1.—Agrelius.

52. Plant Physiology. 3 cr. 2 sem. Prerequisite, course 17 or its equivalent. A study of the vital processes of plants—absorption, excretion, circulation, respiration. A preparation for this phase of botany teaching in the high school. It deals with practical phenomena. Deposit, $1.—Agrelius.

53. Systematic Botany. 1 to 5 cr. Sum. and each sem. Prerequisite, course 17 or its equivalent. The classification of plants, especially those of the local flora; the preparation of a herbarium. Intended to acquaint teachers and others with the common and scientific names of the more familiar plants, and to enable them to identify those less familiar; to assist teachers, especially of rural communities, in arousing an interest in their pupils for their local environment. Especially helpful to teachers of nature study. Deposit, $1.—Agrelius.

Chemistry.

Professor Mayberry.

Major: 20 cr.

The Chemistry Department occupies commodious quarters in Norton Science Hall. In addition to a large lecture room with a demonstration table there are two well-lighted laboratories, a weighing room, two storerooms and an office. Recently much valuable apparatus has been installed and such supplies purchased as will permit of the very highest grade of work in all lines of analytical chemistry. The object of the department is to give students a clear insight into this very important science and at the same time train teachers for successful instruction in our best high schools and academies. A fee is charged in each course to cover the actual cost of chemicals and breakages.

1. Essentials of Chemistry. 5 cr. Sum. and each sem. Inorganic chemistry; the fundamental principles and laws of the science, with a detailed

study of both nonmetallic and metallic elements; much practice in writing reactions and solving chemical problems. General experiments and demonstrations accompanying the daily recitations, and a minimum of four hours a week laboratory work.

2. Inorganic Chemistry. 5 cr. Each sem. Prerequisite, course 1. Same as course 1, but of more advanced nature. Intended for those who wish to teach chemistry or those who desire a more extended knowledge of the subject.

25. Qualitative Analysis. 5 cr. 1 sem. Prerequisite, course 2. The detection of metallic and nonmetallic ions, and the analysis of salts and ores; almost wholly a laboratory course. A minimum of eight hours laboratory work and one hour recitation each week.

50. Organic Chemistry. 3 cr. 2 sem. Prerequisite, course 2. Course 25 recommended. Must be accompanied by course 51. A comprehensive view of the various classes of hydrocarbons and their derivatives through the study of some selected types.

51. Organic Analysis. 2 or 3 cr. 2 sem. Must accompany course 50. Two divisions. Many experiments of a general nature in both divisions.

51*a*. General Analysis. 2 cr. Designed for students in agriculture and for those interested in a general college course.

51*b*. Food Analysis. 3 cr. Designed for students in home economics and those interested in the analysis and tests of food.

52. Chemistry of Textiles. 1 cr. Sum. and each sem. Prerequisite, course 1. The simple analysis of forty-five to fifty samples of textile fabrics to determine the quantities of cotton, wool, silk or linen. The distinction between true and artificial silks and the weighing of fabrics.

53. Quantitative Analysis. 5 cr. Sum. and each sem. Prerequisite, course 25. Gravimetric and volumetric methods of quantitative analysis. A laboratory course, requiring a minimum of eight hours laboratory work and one hour recitation each week.

Commerce.

Professor Parke. Instructor Burcy. Instructor Ostby.

Major:

Accounting	9 cr.
Law	8 cr.
Business Organization	2 cr.
Office Practice and Procedure	2 cr.
Penmanship	2 cr.
Economic and Industrial Geography	3 cr.
Principles of Economics	3 cr.
Commercial Arithmetic	2 cr.
Business Correspondence	2 cr.

This department aims (1) to prepare teachers to organize and conduct commercial courses in high schools; (2) to train teachers and supervisors of penmanship; (3) to offer elective courses for those who wish to obtain some knowledge of business subjects as a part of their general education.

The degree of Bachelor of Science in Commerce is issued by the state, authorizing the holder to teach in Kansas high schools both commercial branches and any other subjects for which his preparation qualifies him. For requirements see Part 1 of the General Catalogue.

A special certificate to teach commercial subjects in the elementary and high school is issued for two years' work. For requirements see Part 1 of the General Catalogue.

Civil-service and Office Courses. Students may take work through one year or more, leading to preparation for the civil service of Kansas or of the United States, and for office work as stenographers, secretaries and book-

keepers, upon payment of a small fee in addition to the regular incidental fees. For further information regarding these courses confer with the head of the department.

In the accounting courses instruction is given in the use of business papers, in business customs and in business management. Students are also familiarized with the state texts in bookkeeping used in Kansas high schools.

1. Elementary Stenography.* 5 cr. Sum. and each sem. Gregg system. Emphasis on mastery of principles and correct formation of characters and outlines. Much drill in reading shorthand as well as in writing ordinary business and literary matter.—Burgy.

2. Advanced Stenography.* 5 cr. Sum. and each sem. Gregg system. Prerequisite, course 1. Special contractions and shorthand principles, phrasing, and daily dictation, with reading and transcription of notes. Emphasis on accuracy and readiness in transcribing.—Burgy.

3. Shorthand Speed Practice.* 2 cr. On sufficient demand. Prerequisite, course 2. Dictation of difficult matter; use of dictaphone; discussion of office routine.—Burgy.

8. Elementary Typewriting.* 3 cr. Sum. and each sem. Beginning with the mastery of the keyboard by the touch method, the student is led by a series of progressive exercises to the acquisition of practical speed and accuracy in writing ordinary business and literary matter. Laboratory fee, $1. —Burgy, Ostby.

9. Advanced Typewriting.* 2 cr. 2 sem. Prerequisite, course 8. Drill in writing from copy and from dictation and in various lines of office work. Laboratory fee, $2.—Burgy.

15. Office Practice and Procedure. 2 cr. Sum. and each sem. Prerequisite, course 8. The work of the stenographer, clerk and office assistant, systematic practice in the commoner secretarial duties, such as correspondence, handling the mail, writing business and legal papers, indexing, filing, reference work, proof reading, editing copy, and the use of office appliances; principles of secretarial ethics and the ideals of secretarial service.—Burgy.

18. Penmanship. 2 cr. Sum. and each sem. Designed for supervisors and teachers of penmanship in elementary and high schools. Discussion of aims; a study of the psychology, physiology and hygiene involved; development of muscular control and of speed with legibility; scales, their function and value; blackboard illustrations; analysis and discussion of letters, singly and combined; recent experiments; constant reference to books and articles in the library.—Ostby.

20. Elementary Accounting. 3 cr. Sum. and each sem. An introduction to the field of accounting. Single entry, double entry, trial balance, balance sheet, cost and income or profit-and-loss statements, closing the books, special books, special columns in books, subsidiary ledgers, and controlling accounts. Textbooks, lectures and practical problems and exercises.—Ostby.

27. Mercantile Accounting. 3 cr. Sum. and each sem. Prerequisite, course 20 or a year of high-school bookkeeping. The application of accounting principles to various lines of mercantile business. Practical sets of transactions worked out and practical problems solved.—Ostby.

28. Farm Accounting. 2 cr. On sufficient demand. A practical system of keeping farm accounts, so devised as to show the condition, progress and results of the farm business as a whole and in each of its departments.—Parke.

29. Bank Accounting. 2 cr. 1 sem. Prerequisite, course 20. Organization, management and functions of banks. Books opened from statements of a bank already in operation, transactions entered, and statements made. Forms of books and statements of different banks.—Parke.

* These courses may be submitted for any certificate and for the diploma conferring the degree of Bachelor of Science in Commerce or Bachelor of Science in Music, but not for the diploma conferring the degree of Bachelor of Science in Education.

35. Business Law I. 3 cr. Sum. and each sem. Principles of law that give one an intelligent idea of his legal rights and limitations in business dealings. The law of contracts, sales, commercial paper, agency, partnership, corporations, and real estate. Drills in writing legal paper. Constant reference to Kansas statutes and court decisions.—Parke.

51. Advanced Accounting. 3 cr. 2 sem. Prerequisite, 6 cr. of accounting. A study of modern cost keeping, with attention to the distinctive features of corporation accounting, and a study of the form and interpretation of the balance sheet.—Parke.

52. Accounting Problems. 2 cr. 1 sem. Prerequisite, 9 cr. of accounting. Accounting systems studied, and systems devised, with problems and exercises illustrating accounts and methods of various classes of enterprises. C. P. A. problems largely used. Reference to books and periodicals treating of accounting theory and practice.—Parke.

55.—Business Correspondence. 2 cr. Sum. and 1 sem. Prerequisite, course 15. Practical training in the writing and dictating of business correspondence. Business situations analyzed, letters classified into type forms, and the requisite of each class exemplified by many models. The dictaphone largely used.—Burgy.

57. Business Organization. 2 cr. 2 sem. Should be preceded by Principles of Economics. Fundamental principles of business administration. The individual business man, the partnership, and the corporation. Extractive, manufacturing and distributive industries. The various departments of a large business and their relation to one another. The market, advertising, credits and collections. The administrative department and accounting methods.—Parke.

58. Salesmanship. 2 cr. On sufficient demand. Fundamentals of salesmanship, including the salesman and his preparation; the process of a sale from its inception; the distinct forms of sales, with typical problems.

60. Elementary Law. 3 cr. Sum. and 1 sem. A general view of the American legal system. Written and unwritten law; personal and property rights; criminal law; private wrongs; remedies for public and private wrongs, with an outline of court procedure. Statutes and court decisions used freely.—Parke.

61. Business Law II. 2 cr. 2 sem. Prerequisite, course 35 or 60. An advanced course with emphasis on contracts and negotiable instruments.—Parke.

62.—Principles and Methods in Commercial Education. 2 cr. On sufficient demand. Prerequisite, 12 cr. of commerce. A teacher's course, including the following: Essentials of commercial education; the high-school commercial course, including subjects to be taught, order of presenting them, amount of work to be done in each, methods of teaching. Relation of the business course to the business community; adaptation of the course to the small, the medium and the large high school, and to local conditions.

Domestic Science and Art.

(See Home Economics.)

Drawing.

(See Art.)

Economics.

(See Sociology.)

Education.

(For courses included in education group see majors in Part 1 of the General Catalogue.)

English.

Professor Barrett.
Associate Professor Birdsong.
Associate Professor Davis.
Instructor Askew.
Instructor Ryan.
Instructor Harper.
Instructor Maupin.
Instructor Scott.
Instructor Huffman.
Instructor Irwin.
Instructor Bennett.

Major: 25 cr., including required work and course 80. For those majoring in English, course 80 is required and courses 27, 28, 52, 75 and 30 or 58 are especially recommended. They should take courses in English history as early as possible to furnish a background for their work in English literature. Expression I and other courses in the Public Speaking Department are almost essential to one who is preparing to teach English. A thorough knowledge of at least one foreign language is highly desirable.

1. Rhetoric and Composition I. 3 cr. Sum. and each sem. A severe drill in the simpler technic of writing. Weekly themes. Required of all students except those who are promoted to a more advanced course after having shown their ability to write. If taken by juniors or seniors only one and one-half hours credit will be given.—Barrett, Davis, Ryan, Maupin, Scott, Harper, Irwin.

2. Rhetoric and Composition II. 3 cr. Sum. and each sem. Prerequisite, course 1. Effectiveness in writing and niceties in style. Weekly themes. Much reading of modern prose.—Birdsong, Davis, Ryan, Maupin, Scott.

3. Composition for Women. 3 cr. Sum. and each sem. Prerequisite, course 1. May be offered as part of the required work in composition. Papers based upon personal investigation and library research work. Demonstrated talks along lines in which the student is especially interested. The course fits the student for the constructive work in English which she will meet in life, such as papers and talks before teachers' associations and clubs.—Ryan.

4. English Grammar. 2 cr. Sum. and each sem. For students needing more knowledge of the subject as a preparation for other work in English or for teaching.

25. American Literature. 3 cr. Sum. 1922 and 1 sem. Prerequisite, course 1. General survey of American literature, with the emphasis on the classics. Methods of presenting the work in high school. Much reading in the library. —Barrett.

26. Current Literature. 3 cr. 2 sem. Prerequisite, course 1. Some of the best new or recent poetry, essays and fiction. Comparisons with established models. Efforts to develop power of criticism. Current magazines and the library used extensively.—Barrett.

27.—English Literature I. 3 cr. Sum. and each sem. Prerequisite, course 1. A general survey course in English literature down to the middle of the eighteenth century. A study of the leading writers through their works.—Ryan, Maupin.

28. English Literature II. 3 cr. Sum. and each sem. Prerequisite, course 1. Continuation of course 2 from the middle of the eighteenth century to the close of the Victorian period. May be taken without course 27.—Ryan, Maupin.

29. Children's Literature. 3 cr. Sum. and 1 sem. Prerequisite, course 2 or its equivalent. Methods of interesting children of grades 1 to 8 in good literature; principles of book selection; study of types of the best modern children's books by actual examination and reading.—Huffman.

30. Newspaper English I. 3 cr. Sum. and each sem. Prerequisite, course 1. The form of composition of the news report. The development of a terse and powerful style. Fully 50 per cent of the material written in this class reaches the printing press. May be taken as part of the required work in composition.—Birdsong.

31. Argumentative Writing. 2 cr. 1 sem. Prerequisite, course 1.—Scott.

50. English Prose. 3 cr. 2 sem. and sum. 1923. A study of the style of some of the lead ng prose writers of England and America. Efforts to imitate the beauty and effectiveness of various writers in compositions written.—Davis.

51. The Short Story. 3 cr. Sum. 1922 and 1 sem. Prerequisite, course 2 or its equivalent. Both the constructive and literary sides of the short story. Various types. An original story written.—Davis.

52. English Romantic Poets. 3 cr. 2 sem. Prerequisite, course 28. A general survey of the "romant'c movement" is made. Wordsworth, Coleridge, Scott, Byron, Shelley and Keats.—Ryan.

53. The Novel. 3 cr. 1 sem. and sum. 1923. The rise and development of the novel. The structure of the novel. An intensive study of some of the novels of Jane Austin, Scott, Dickens, Thackeray, George Eliot, Meredith and Hardy.—Davis.

55. Shakespeare I. 2 cr. Sum. 1922 and 1 sem. The life and times of Shakespeare. Seven plays of different types selected from the following: Love's Labor's Lost, Midsummer Night's Dream, Richard III, Taming of the Shrew, Henry V, Twelfth Night, Othello, Julius Cæsar, King Lear, Antony and Cleopatra, The Tempest.

56. Shakespeare II. 2 cr. 2 sem. and sum. 1923. Eight plays of different types selected from the following: Comedy of Errors, Romeo and Juliet, King John, Merchant of Venice, Much Ado About Nothing, As You Like It, Hamlet, Macbeth, Coriolanus, Henry VIII, Cymbeline, Winter's Tale.

58. Newspaper English II. (The School Paper.) 3 cr. Alternates with Newspaper English III. Sum. 1922 and 2 sem. Prerequisite, course 30, or 15 hours of English. An advanced composition course. Writing of editorials and advance news stories. Editing of copy. Organization, editorial direction and business management of the school paper.—Birdsong.

59. Newspaper English III. (The Special Article.) 3 cr. 1 sem. and sum. 1923. Prerequisite, course 30, or 15 hours of English. An advanced composition course for teachers and school administrators, giving instruction in the writing of special articles on their work, for publication in newspapers, periodicals and educational journals. The application of journalistic methods to pedagogical literature.—Birdsong.

75. Early Drama. 3 cr. Sum. 1922 and 1 sem. Prerequisite, course 27. The origin and development of the English drama. Reading of many plays from the library.—Ryan.

76. The Modern Drama. 2 cr. 2 sem. and sum. 1923. Ibsen, Hauptman, Maeterlinck, Barrie, Galsworthy, O'Neill, and others.—Ryan.

77. Tennyson. 2 cr. 1 sem. and sum. 1923. Prerequisite, course 27. A study of the author's characteristic poems.—Barrett.

78. Browning. 2 cr. Sum. 1922 and 2 sem. Prerequisite, course 27. This course includes all of Browning's short poems that are usually studied in schools, his dramas, and selections from "The Ring and the Book."—Barrett.

80. Teaching of High-school English. 2 cr. Sum. and 2 sem. Required of those majoring in English. Various problems that confront the teacher of high-school English. The different types of literature and methods of presenting each. The teaching of composition and grammar in the high school.—Barrett.

Expression.

(See Public Speaking.)

French.

(See Modern Languages.)

Geography.

Professor Atwood. Instructor Williams.

Major: 25 cr.

1. Economic and Industrial Geography. 3 cr. Sum. and each sem. The distribution, development and conservation of the world's natural resources, and their relation to the growth and power of the great nation; the geographical factors which influence the location and growth of industrial regions, trade centers and routes, and commercial activities.

2. Regional Geography. 2 cr. 1 sem. Selection of areas in the Eastern Hemisphere in which are found similar geographic conditions; the factors determining the economic status and changes in the regions selected.

3. Teaching Geography in Rural Schools. 2 cr. Sum. Observation and nature study that is introductory to geography; the selection and working out of problems suited to intermediate grades; an industrial study of the local region.

25. North America. 4 cr. 1 sem. The physiography of the continent and its influence upon the development of the nation; the distribution, development and conservation of the natural resources of the United States, and their relation to industrial and commercial activities; the advantages of North America as the home of the greatest nation.

26. South America. 3 cr. 1 sem. The geographical factors influencing the development of the nations of South America; the future progress of those nations as influenced by the physical advantages and disadvantages; the industrial regions, trade centers and commercial activities of the continent.

27. Geography of Europe. 3 cr. 2 sem. A description of several regions, including the geology, topography, physiographic history, climate and resources; the influences of geographic conditions on industries, on the location and growth of cities, on distribution of people and on trade.

28. Teaching Geography in the Junior High School and Intermediate Grades. 2 cr. Sum. The nature and scope of geography and its relation to other subjects. Project problems suited to the grades are selected for the subject matter and for methods of presenting and working. Illustrative and graphic materials are obtained and used.

50. Relation of Geography to History. 3 cr. 2 sem. The geographic factors that controlled mediæval trade and trade routes and led to the discovery of the Americas; how geography determined the location and growth of early settlements of America and stimulated the western movement of people in the United States and the growth of the United States to a world power.

51. Advanced Physiography. 4 cr. On demand. Prerequisite, high-school physical geography or its equivalent. Climate as an important factor limiting man's accomplishments; elementary meteorology and world climates; the types of land forms, their origin, growth and relation to man's interests. Subject matter and methods for high-school teachers. One hour a week of laboratory work.

52. The Social Significance of Geography. 2 cr. Sum. 1922 and 2 sem. The relation of man and his environment in primitive and complex stages of development. Adaptation to and incentives of his environment according

to the variations in man's needs. A grounding in the human relationship of geography. The physical background and the effects of climate and vegetation on man's activities, and an interpretation of man's relation to man.

Geology.

(See Biology.)

German.

(See Modern Languages.)

Government.

(See History)

History and Government.

Professor Williams. Professor Ross.

Major: In History and Government, 25 cr.; in History and Social Science group, 30 cr. The courses in history and government are planned to meet the needs both of the general student and of those wishing to specialize in the department. Courses 1 and 2 in European History, 1 and 2 in American History, and course 1 in Government, are suited to the student not specializing in history. They are also strongly recommended to those who desire to major in the department as introductory, and should precede all other courses in their respective fields. The idea that the past explains the present is kept in mind in the teaching of all the history courses.

European History.

Professor Williams.

1. European History During the Middle Ages. 3 cr. 1 sem. The period from the decline of the Roman Empire to the Renaissance. Special attention given to a development of the historical point of view and in the use of source material. Course is considered fundamental to later work in history.

2. Modern European History. 3 cr. Sum. and each sem. The great movements and historical forces from the time of the Renaissance to the present. Current history. The relations between the past and present. Should follow course 1.

5. History of England to 1603. 3 cr. Sum. and 1 sem. The great movements by which ancient England has become modern England.

6. History of England and the British Empire from 1603. 3 cr. Sum. and 2 sem. Continuation of course 5, but may be taken before course 5. Political, social, economic and intellectual progress.

9. Problems of Reconstruction. 2 cr. Sum. and each sem. New conditions, situations and problems growing out of the World War. Newspapers and current magazines used to keep in touch with current events and people.

27. The History of Germany since 1740. 2 cr. 1 sem. The more important events and movements in Germany from the time of Frederick the Great to the present.

28. The History of France. 2 cr. 2 sem. Leading facts of French history from earliest times to the present.

29. The Teaching of High-school History. 2 cr. Sum. and 2 sem. The materials and methods for teaching both junior and senior high-school history. Required for the major.

30. History of Greece. 3 cr. 1 sem. The artistic, intellectual, religious, social, economic and political life of the Greek people.

31. History of Rome. 3 cr. 2 sem. The growth of the Roman state and people from the legendary period to the incoming of the barbarians.

50. Industrial and Social History of England. 2 cr. 1 sem. Prerequisite, courses 5 and 6. The social and economic aspects of English history.

51. The Reformation. 2 cr. 2 sem. The great political and economic as well as the religious aspects of the movement.

52. The French Revolution. 2 cr. 2 sem. Social psychology and political theory of the time as well as the Revolutionary movement itself.

53. Mediæval Institutions. 2 cr. On sufficient demand. Mediæval, social, political and religious institutions.

60. Eighteenth Century History. 2 cr. 1 sem. A preparatory study for the history of the nineteenth century.

61. The Nineteenth Century and After. 3 cr. The reconstruction of Europe in 1815 to the reconstruction in the twentieth century.

62. The Near and the Far East. 3 cr. 2 sem. History in the making. The environment, past civilization and present-day conditions.

63. Seminar in History. 1 cr. Sum. and 2 sem. Subjects considered vary with the interests of the class.

American History.

Professor Ross.

1. American History: Colonization and Union, 1492-1817. 3 cr. Sum. and each sem. American history from the discovery to 1817. The European background; colonization of North America by the English, the French and the Spanish; the social, economic and institutional development of the English colonies; the quarrel with Great Britain, the formation of the Union, and the foundations of a national policy.

2. American History: National Development, 1817-1876. 3 cr. Sum and each sem. A continuation of course 1. The development of national consciousness; the colonization of the West; sectionalism, slavery, and disunion; the rise of industrialism and the new democracy.

3. Kansas History. 2 cr. Sum. and 2 sem. The laboratory method used to develop the following lines of research: The discovery, exploration and early settlement of Kansas; Kansas as Indian territory; the great struggle for a free- or slave-state constitution; Kansas in our Civil War; changes and political evolution since the sixties; the part Kansas has played in the nation's progress in education, letters, philanthropy, resources, and constitutional interpretation. Definite readings, reports and papers.

25. Latin America. 2 cr. A general survey of the history of Latin-American countries. Spanish and Portugese colonization; the era of the Revolution; the rise of the republics and the growth of their peculiar institutions—political, social, and economic—and their relation to the foreign and commercial policy of the United States. A topic for research assigned each student.

26. The West. 2 cr. The growth of our nation westward. New problems and how they affect our national life.

50. American History, 1763-1817. 3 cr. Struggle for independence. Organization of national government, including origin and development of political parties. Economic conditions and international relations leading to the War of 1812. Steady growth of national authority and stability.

51. American History, 1817-1860. 3 cr. Era of great internal development. Economic questions bearing upon the Rebellion. New movements, educa-

tional, political, philanthropic, religious, literary and governmental. Better understood if preceded by course 50.

52. The Rebellion and Reconstruction, 1860-1876. 3 cr. The general facts underlying the precipitation of this conflict from the introduction. Campaigns of the war; the designs and methods of operation. The resources of the combatants; the armies, navies, supplies, means of transportation, etc.; the finances; the attitude of foreign countries. The problems of reconstruction, with all that is involved; the difficulties surrounding them, the ends sought, the methods of solving them, and consequences resulting from the least understood part of our nation's history.

53. American History Since 1876. 3 cr. Sum. and each sem. The leadership of the United States as a world power, her entrance into the World War, and her possibilities as a future leader of nations. The modern social and economic problems with reference to recent policies of government. Follows either course 2 or course 52.

75. History of American Diplomacy. 2 cr. American foreign relations from 1776 to the present time. The original policy of isolation; the growth of the law of neutrality; the Monroe Doctrine and its modern interpretation; Pan-Americanism; the spread of American influence in the Pacific and the Caribbean; the principles governing our entrance into the World War.

Government.

Professor Ross.

1. American Government. 3 cr. Sum. and each sem. The field of national government. The federal principle and the constitutional system peculiar to the United States; characteristically American institutions; the structure and the functions of governmental organs.

2. Local Government. 3 cr. State, city and county government; recent tendencies in the development of municipal functions; commission government, city-manager plan, home rule, and the problems of municipal administration.

3. Principles of Political Science. 3 cr. Sum. and each sem. The origin, nature and function of government; principles and methods of political organization and development.

50. American Political Parties and Party Problems. 3 cr. Practical application of the American constitutional system; the origin and development of political parties and the principles and policies that have divided them; contemporary political problems and practices; the civic duty and responsibility of the individual citizen and how to meet them.

51. International Law. 3 cr. The fundamental principles of International Law. A study of the law of nations as it has developed through custom, judicial decisions, treaties and international conventions. Constant use of illustrative documents, treaties and cases. The influence of the United States in shaping international law.

52. Comparative Government. 3 cr. A study of the governments of Europe. Particular attention given to the British cabinet system, which is contrasted sharply with our own.

53. Seminar. 1 cr. Written reports and general discussion on assigned topics of interest to students of history and government. Meetings held every other week for a two-hour period.

History of Education.

(See School Administration.)

Home Economics.

Professor Stiebeling. Instructor Bennett. Instructor Ligare. Instructor Kirtlan.

Major: 33 to 35 cr., to include courses 70 and 90. Students should plan work carefully so that all prerequisites are completed by the time they wish to take home-economics courses.

5. Sewing and Textiles. 5 cr. Sum. and each sem. In two parts: 5*a*, *Sewing*, 2 cr.; fee, 50 cts. 5*b*, *Textiles*, 3 cr.; Prerequisite or parallel, 5*a* or its equivalent. Study of textile industry, fibers, weaving, materials and adulterations. Fee, $1.—Ligare.

10. Drafting and Design. 4 cr. Sum. 1922 and 1 sem. Prerequisite or parallel, course 5 and Art 1. Designing and drafting of patterns applied to garment work. Fee, 75 cts.—Ligare.

25. Survey of Foods. 4 cr. Sum. 1922 and 2 sem. Food selection; preparation and service for students not majoring or minoring in home economics. Fee, $3.50.

30. Foods. 5 cr. Sum. 1922 and 1 sem. Prerequisite, high-school chemistry or Chemistry I, and high-school physics. Parallel, Physics I if high-school physics has not been offered for entrance. Principles of cookery, and the effect of preparation upon nutritive value of food. Fee, $5.—Bennett.

50. Applied Costume Design. 4 cr. 1 sem. and sum. 1923. Prerequisite, course 10 and Art 3. Six hours laboratory; two hours lecture work. Application of study of design and selection of materials to garment work. Fee, 50 cts.—Ligare.

55. Home Nursing. 3 cr. Sum. 1922 and each sem. Three hours lecture. Fee, 50 cts.

60. Household Management. 5 cr. Sum. 1922 and 2 sem. Prerequisites, course 30 and Bacteriology 14. The economy of labor, time and money in managing a home. Two weeks of practice work in the apartment required. Fee, $5.—Bennett.

65. Food Industries. 2 cr. Alternate years. 1 sem. 1922. Prerequisite, one year of high-school foods, or course 25 or 30. The effect of production and manufacturing processes upon nutritive value and cost of food.—Bennett.

70. House and Home. 4 cr. 1 sem. In two parts: 70*a*, *House Construction and Sanitation*, 2 cr.; Prerequisite, Bacteriology 14. 70*b*, *Interior Decoration*, 2 cr.; Prerequisite, Art 1 and Art 3.

80. Dietetics. 3 cr. 2 sem. Prerequisite, course 60 and Chemistry 52. A study of digestion and metabolism in so far as these factors are basic in determining diet under normal and abnormal conditions. Fee, $4.

90. Modern Household. 3 cr. 1 sem. 1922 and alternate years. Prerequisite or parallel, Sociology 1.—Stiebeling.

Hygiene.

(See Physiology.)

Instruction.

(See Teacher Training.)

Latin.

Professor Holtz. Instructor Deatherage.

Major: 25 cr. Before completing a Latin major a student must make satisfactory records in the following courses: Virgil, Cicero's Essays or Livy, Advanced Composition, Latin Grammar, Roman Private Life, The Odes of Horace, Teaching High-school Latin. The remaining quota of hours will be selected upon consultation with the head of the department.

Entrance. Students entering with the required units of high-school credit may take any course for which they are prepared, and receive college credit when they satisfy the department that the character of their work is of college grade. Students with no Latin credit will take Elementary Latin; those with one unit credit will take Cæsar; those with two units, Cicero's orations; with three units, Virgil's Æneid; with four units, Livy or Cicero's Essays. Students who have not had the equivalent of one hour per week in Latin composition for second and third years' work in the high school will be conditioned in composition pending an examination, or allowed to make up the requirement in the Roosevelt High School classes.

A minimum credit for a year of elementary Latin and prose readings will count toward graduation. All other courses will be recorded as per catalogue hours.

Choice of Other Subjects. A student who expects to teach Latin should also make special preparation to teach one or two other subjects in order to meet the demands of the average high school.

1. Elementary Latin. 5 cr. Sum. and each sem. The essentials of Latin forms and syntax, including work in the subjunctive mode. The acquisition of an adequate vocabulary for the reading of short continuous passages and the writing of original exercises in Latin, based upon pictures, current events, games and stories. The correlation of Latin with English and other subjects in the curriculum. The relation of Latin to the everyday life of the present. —Holtz.

2. Latin Prose Readings. 5 cr. Sum. and each sem. Prerequisite, course 1. A continuation of course 1, dealing in particular with easy prose reading. A study of the Helvetian campaign, or equivalent Latin, in addition to the last exercises of the first-year text. Composition practice on assigned and original work. Practice in translation at sight and from hearing; syntax, stressing case usage. Extensive study of English derivatives.

4. Cæsar and Composition. 5 cr. Sum. and either sem. Prerequisite, course 2. Translation by assignment and at sight from four books of Cæsar's Gallic War, or its equivalent. Syntax, stressing the subjunctive mode and all subordinate clauses, with composition by sentence and paragraph to illustrate same. Individual studies and reports; a summary of Cæsar's campaigns as a whole. Latin word derivation and English derivatives.—Deatherage.

5. Cicero I; Orations. 3 cr. Sum. and either sem. Prerequisite, course 4 or two years of high-school Latin. A study of four selected orations. Translation by assignment and at sight. Syntactical study, stressing conditional sentences. Analysis of each oration. Roman social and political conditions compared with those of modern times. Daily study of English derivatives. Prose composition based upon text read. Open to those who have not had Cicero in high school.—Deatherage.

6. Cicero II; Orations. 3 cr. Sum. and either sem. Careful reading of three orations, including the Poet Archais and the Manilian Law. Daily prose based upon the text. The writing of continuous narrative. Rhetorical analysis of orations. A study of Roman political conditions.—Deatherage.

25. Virgil I. 3 cr. Sum. and 1 sem. Prerequisite, three years of Latin. Three books of the Æneid. Courses designed to secure an appreciation of

Virgil's style and delineation of character. Classical mythology and metrical reading. Reports and papers on related topics. Emphasis on the literary side of the poem.—Holtz.

26. Virgil II. 3 cr. 2 sem. Three books of the Æneid continued from course 25. Selections and summary of the remaining books. The author's place in literature. Translation and metrical reading. Themes of a research nature.—Holtz.

27. Cicero's De Senectute, or De Amicitia. 2 or 3 cr. Sum. and 1 sem. Prerequisite, courses 5 and 6. Careful translation by assignment and at sight, with daily drill in syntax of modes and tenses; special attention to the classification of subordinate clauses; daily composition based upon the text. It is suggested that the course in Advanced Composition or Latin Grammar be taken at the same time.—Deatherage.

28. Livy: Book XXI, Selections from Book XXII. 3 cr. 1 sem. Translation by assignment and at sight. Syntax of modes, tenses and subordinate clauses. Daily prose based upon the text. It is recommended that students in Livy enroll also for Advanced Composition or Latin Grammar.—Holtz.

29. Advanced Latin Grammar. 2 cr. Sum. and 1 sem. Open to all students with credit in three years of Latin. Designed, first, as a course in syntax for high-school teachers; syntax of dependent clauses, and especial stress upon the subjunctive; classification of case and mode usages in Cæsar, Cicero and Virgil; prose composition. Second, as a study of the latest and most conservative ideas on the principles of the Latin language. Required of all students completing a Latin major.—Holtz.

30. Advanced Latin Composition. 2 cr. 2 sem. Practice in writing connected discourse. Intended to accompany course 27 or 28. Should be elected by all who expect to teach Latin.—Holtz.

31. The Classical Element in English. 2 cr. Sum. and each sem. Prerequisite, one year of Latin. Intended to give the student special training in the practical application of classical language to his daily use of English. Both the Latin and Greek element considered. The general vocabulary of various subjects, particularly that of the sciences, sociology, etc., analyzed and discussed. Daily tests of the student's ability to give the meaning of English words, new and old, at sight. The time and manner of the introduction of Latin into English; Latin forms, abbreviations and phrases in common use. Analysis, spelling and other everyday classical usage in English.—Holtz.

32. Oral Reading of Latin. 2 cr. Intended to afford practice in the proper expression of Latin prose and verse; to express the thought, without translating, from hearing or reading the original; to present short plays in Latin or a more extensive classical play in English. Specific training for students intending to teach Latin and for other mature students.

33. Horace: Selected Odes and Carmen Sæculare. 3 cr. 2 sem. Translation, analysis, study of Horatian meters. Special topics for reports and papers. Recommended that the course in Roman private life or the grammar course be carried in connection with Horace. Required of all who complete a Latin major.—Holtz.

34. Roman Private Life. 2 cr. 2 sem. Study the life, social customs, dress, travel, amusements, education and kindred topics from the remains of ancient art and archæology, and in particular from the ruins of Rome and Pompeii. Lectures, library research and reports. Pictures, lantern slides and models. Designed to supply supplementary knowledge for high-school Latin and history teaching.

50. Latin Comedy: The Captivi of Plautus and the Phormio of Terence. 3 cr. Sum. and 2 sem. Preceded by course 27 or 28. Attention given to vocabulary, anteclassical forms and constructions, scansion, and idiomatic English in translation. The Roman theater. Papers and reports.

51. Tacitus: Germania and Agricola. 3 cr. Sum. and 2 sem. Preceded by course 27 or 28. Attention given to vocabulary, post-Augustan forms and constructions, and idiomatic English in translation; the Roman provincial system and the conquest of Britain.

52. Advanced Cæsar. 2 or 3 cr. Sum. and 2 sem. Prerequisite, courses 25 and 26, or Latin teaching experience. Rapid reading from books V-VII. A critical study of the Gallic campaigns. Library research and critical papers. Intended as a practice course for Latin teachers. Discussion of problems in teaching Cæsar in high school.—Holtz.

53. Teaching of High-school Latin. 2 cr. Sum. For advanced students who expect to teach Latin. Course deals with the educational values of ancient-language study and the relation of those languages to the language and life of to-day; with the principles underlying the teaching of Latin; with methods in dealing with specific problems; with topics in Latin teaching; with supplementary material, lantern slides, pictures, songs, playlets and plays, organization and programs for Latin clubs, exhibits, lectures, reports, papers, etc. The student may earn additional credit in observation and practice teaching.

75. Classical Poetry in Translation. 3 cr. Sum. and each sem. Not offered 1922-'23. Intended for advanced students preparing to teach Latin or English. The important fields of Greek and Latin poetry, with particular attention devoted to the Greek drama, to Latin pastoral poetry, and their influence on later literature. No Latin or Greek prerequisite.

76. Teachers' Course in Composition. 2 cr. Sum. and 1 sem. Adapted especially to the needs of those preparing to teach high-school Latin. Exercises dealing primarily with the syntax of the second and third years' work. The writing of continuous prose narrative in original and assigned exercises. The close classification of cases and subjunctives in Cæsar's narrative. Course 52 should precede or be taken at the same time.

77. Roman Satire. 3 cr. 2 sem. Not offered 1922-'23. Selections from the satires of Horace and Juvenal, or the entire time devoted to either author. Translation, scansion; a study of conditions that produced Roman satirical writing. Papers on subjects related to the content.—Holtz.

78. Demonstration Class in Junior or Senior High School. 4 cr. Sum. and 2 sem. Classes conducted in both Junior and Senior High School. Students in the Latin methods class and others of advanced standing in the department may enroll in this course for practice teaching and observation.—Deatherage or Holtz.

Literature.

(See English.)

Library Management.

Professor Kerr.
Instructor Elcock.
Instructor Hostetter.
Instructor Huffman.
Instructor Luther.
Instructor Shore.
Instructor F. Williams.

These courses are offered as preparation for high-school librarians, or for those desiring better knowledge of the use and administration of libraries. All the resources of Kellogg Library are used in the work.

1. Library Methods. No cr. Sum. and each sem. One hour a week for twelve weeks. Required of all students in the first semester, freshman year. Required for all certificates and degrees, except the one-year state. Lecture conferences on the use of Kellogg Library and other libraries, with practice.—Luther.

29. Children's Literature. 3 cr. Sum. and 1 sem. Prerequisite, English 2 or equivalent. Same as English 29.—Huffman.

26. Library Economy and Administration I. 2 cr. Sum. 1922 and 1 sem. Prerequisite, course 1. Book ordering, accession work, mechanical preparation of books, repair and binding, shelf work, history of libraries, and the ideals of librarianship.—Elcock, Shore.

27. Library Economy and Administration II. 2 cr. Sum. 1923 and 2 sem. Prerequisite, course 26. Lending systems, county libraries, library publicity, and administration of school libraries.—Shore, Kerr.

51. Advanced Library Methods. No. cr. Sum. and each sem. One hour a week for twelve weeks. Accepted for requirements in lieu of course 1. Lecture conferences on the care and use of school libraries, with practice, for those who have had teaching experience.—Luther.

52. Book Selection and Classification. 3 cr. Sum. 1922 and 1 sem. Prerequisite, course 1 or 51. Principles of book selection as applied to school libraries. Principles of classification, with practice in the use of the Dewey decimal system.—Hostetter.

53. Reference Books and Reference Work. 3 cr. Sum. 1922 and 2 sem. Prerequisite, course 52. A study of reference books and material which should be accessible in a high-school library and used with skill by teachers and students. Practice work in the reference department of Kellogg Library.—Luther.

76. Cataloguing. 3 cr. Sum. 1923 and 2 sem. Prerequisite, course 53. Lectures and practice work in the use of the standard cataloguing rules, Library of Congress printed cards, and the making of simple dictionary catalogue.—Williams.

Manual Art.

Professor Jackson.

The courses in manual training are outlined with the purpose of giving all teachers who can avail themselves of the opportunity a thorough general knowledge of the subject as used in our public schools as a means of general education. The courses are elective and open to all students who may wish to prepare for teaching handwork in schools. For the purposes of superintendents and principals, and candidates for the certificate of special proficiency in rural-school teaching, the general courses may be modified to meet the particular needs of the individuals electing them. Students majoring in agriculture, physics or mathematics may also have the general courses modified to meet their particular needs.

The rapid reorganization of thought and practice in connection with trade and vocational education is making a great change in the requirements of persons contemplating teaching in courses in manual arts, adding particularly a considerable amount of shop or trade experience. Students preparing for positions under the Smith-Hughes act relating to state and federal aid find it greatly to their advantage to have had at least three years of actual experience in the trade or industry which he seeks to teach. Those preparing for the certificate without this experience will find opportunities for future employment greatly reduced by such lack of experience.

The courses in drawing and woodwork are arranged in their order of sequence, and should be taken in their regular order unless special reasons show a need for changing it. But half of the four-hour courses is given in the summer term.

A special certificate to teach manual training in the elementary school and in high schol is issued. For requirement for this certificate see "Special Certificates," in Part I of the General Catalogue.

1. Mechanical Drawing. 4 cr. Sum. and each sem. Prerequisite, Plane Geometry. The elements of mechanical drawing, beginning with the geometrical constructions and dealing with orthographic, isometric and cabinet projections, surface developments, intersections, shadows, etc. Working draw-

ings required to give training in the application of mechanical drawing to accurate expression in the industries. Supplies, $2.50.

2. Woodworking. 4 cr. Sum. and each sem. Prerequisite, course 1. Elementary woodworking for mature students who have some ability and training in the use of woodworking tools, but have not applied this skill to preparation for manual training. Exercises in designing and making problems suited to manual training for children in the grades. Adapted to the needs of rural-school teachers when desired. Deposit, $2 to $5.

4. Farm Carpentry. 4 cr. Sum. and each sem. Elementary principles and practices in building construction, involving framing, bracing, strength and combination of materials to withstand strains and carry loads. Careful study of the principles and uses of the steel square, with exercises in typical application, in laying out rafters, braces, etc.

5. Shop Mathematics. 3 cr. Sum. and each sem. The application of arithmetic and higher mathematics to shop and other construction problems.

9. Joinery and Cabinetmaking. 4 cr. Sum. and each sem. Prerequisite, course 2. Advanced woodworking, dealing with more extensive problems in wood construction in which a large use is made of joints and panels. Problems requiring student initiative and adaptation and involving practical applications of constructive design and the selection of appropriate principles of construction. Deposit, $3 to $6.

10. Wood Turning. 4 cr. Sum. and each sem. Prerequisite, 16 hours manual training. Wood turning, beginning with elementary exercises in spindle turning, with applications. Problems in faceplate and chuck work, together with as wide application of the work to practical construction as time will permit. Deposit, $2 to $5.

11. Furniture Construction. 4 cr. Sum. and each sem. Prerequisite, course 9. The study of periods and styles of furniture, with the application of design to furniture construction. Several typical pieces designed, and one or more made in the shop. Students pay for material used.

12. Printing.* 4 cr. Sum. and each sem. Prerequisite, Rhetoric and Composition I. The elements of printing; the history and development of printing and modern related inventions; printing and typography defined; trade terms and uses of equipment, lay of cases, point system; use of stick, composing rule; syllabication and punctuation; proof marks—meaning and use; qualities of paper, size, cost, cutting and choosing; job designing; advertisement writing and display; qualities of inks, their use, and the mixing of colors; care of rollers; lectures on composing machines, presses, electrotyping, stereotyping, lithographing, half-tones and cines; practice in composition, feeding platen presses, make-ready and imposition.

13. Typography and Presswork.* 4 cr. Sum. and each sem. Prerequisite, course 12. Continuation of printing; speed in composition and presswork. Study and work on the cylinder press and the elements of the linotype. All styles of composition in job and advertising. A short study of the purpose of printing in the school and the different methods of teaching it; review of textbooks and the equipment of the school shop.

20. Wood Finishing. 2 cr. Prerequisite, 16 hours manual arts credit. A study of materials, methods and formulas for proper finishing of wood for various conditions to secure artistic effect.

50. Theory and Practice. 2 cr. Sum. and 2 sem. Prerequisite, 16 hours manual training. A methods course, required of students expecting to qualify for manual-training certificate, and offered to advanced students of education, without the prerequisites, who wish to learn something of the content of manual training for administrative purposes. No tool work. Reading, reports and discussions of the theory and practice of manual training in education. Courses of study, textbooks, equipments, supplies, etc.

* May be submitted for any certificate or degree excepting the degree of B. S. in Education.

Mathematics.

Professor Lindquist. Associate Professor Ellis. Instructor Keller.
Instructor Morris.

Major: 20 to 35 cr., including courses 51, 52 and 53.

Students preparing to teach mathematics in a junior high school on the life certificate should take courses 1 or 25, 27, 28, and 30 or 31.

1. Advanced Arithmetic and Methods. 4 cr. Sum. and each sem. Prerequisite, one year each of algebra and geometry. Not a review of grade arithmetic, but an advanced course which gives teachers a broader and more comprehensive view of the science and history of number development, together with material for classroom use. A historical survey of our system of numbers and measures, and relation of numbers. Fundamental principles, their applications and interrelations. Unification and correlation of subject matter. Graphs. Applies on requirements for any certificate. Two hours credit may be applied on requirements for degree.—Lindquist.

2. Advanced Algebra and Its Applications. 3 cr. Sum. and each sem. Prerequisite, one year each of algebra and geometry. The fundamentals of algebra and the reasons underlying the fundamental operations with positive and negative exponents. A review of factoring. Theory of exponents, surds and imaginaries. Theory of quadratic equations in one and two variables, with applications. Graphs. Ratio, proportion and variation. Series, limits, logarithms. Applications of algebra to physics, mechanics, mensuration and numerous vocations. Only for students who have had but one year of algebra in high school.—Ellis, Lindquist.

25. Teaching of Elementary Mathematics. 2 cr. Sum. and each sem. Prerequisite, same as for course 1, and review arithmetic. Arithmetical language, relation of numbers, literal arithmetic, oral work, drills, securing interest. Eliminations, additions, and modifications of the course of study. A study of each topic taught in the grades and junior high school, from the standpoint of position in the course of study, importance, relation to other topics of arithmetic and to other studies, its general application, and best methods of presentation. Not open for credit to students who have had course 1 or 26.—Lindquist, Morris.

26. Teaching of Commercial Arithmetic. 2 cr. Sum. and 1 sem. Arithmetic from the standpoint of the business man and the commercial teacher. Emphasis on the most approved forms of business computations used to-day, together with improvements on the same. Drills, short cuts, etc.; a study of the most valuable ones, their applications, and the best manner of presenting same to class.—Ellis, Lindquist.

27. Solid Geometry. 3 cr. Sum. and 2 sem. Prerequisite, one year each of algebra and plane geometry. Straight line in space, the plane, and the more common solids, as parallelopiped, prism, pyramid, cylinder, cone and sphere. Application to problems throughout.—Ellis, Morris.

28. Trigonometry. 3 cr. Sum. and each sem. Prerequisite, course 2 or its equivalent. Plane trigonometry, trigonometric functions, solution of the right and of the oblique triangle by logarithms, radian measurements, trigonometric equations, and numerous applications to practical problems. Slide rule. Right spherical triangles.—Lindquist.

29. Surveying. 2 cr. Sum. and each sem. Prerequisite or parallel, course 28. A practical supplement to the course in trigonometry, dealing with its most common applications. For this reason it is advisable to have the two taken simultaneously. Sufficient work with the transit and level to familiarize the students with the ordinary work of the surveyor.—Ellis.

30. College Algebra. 5 cr. Each sem. Prerequisite, one year each of algebra and geometry. A rapid review of first-year algebra; exponents, surds, imaginaries; theory of quadratics; graphs, ratio, proportion, variation; series;

logarithms; determinants; theory of equations; Horner's method of approximations. For students entering with only one year of elementary algebra.

31. College Algebra. 3 cr. Sum. and each sem. Prerequisite, one and one-half years of high-school algebra, or course 2. Rapid review of elementary algebra; graphic representation; logarithms; theory of equations; Horner's method of approximations; determinants.—Lindquist, Ellis, Morris.

50. Analytics. 4 cr. 1 sem. Prerequisite, courses 28 and 30 or 31. Coordinates, locus of an equation, equation of locus, straight line; the more common curves, as circle, parabola, etc., and the relations between them. Plane analytics only considered.—Lindquist.

50*s*. Analytics. 3 cr. Sum. Prerequisite, same as for 50. Selected topics from course 50, of most value to students attending during the summer who are unable to take course 50 through the year.

51-52. Calculus. 6 cr. Sum. upon sufficient demand and 3 cr. each sem. Prerequisite, course 50. Derivatives, maxima and minima of functions, curvature, tracing of simple curves, indeterminate forms, series, the expansion of functions, and numerous applications to problems in mechanics and physics. Integration, reductions to standard forms, use of integrating tables, definite integrals, finding of areas, volumes, lengths of curves, numerous applications to problems of physics. Differentiation and integration carried on simultaneously so as to bring out the connection between them more clearly.—Lindquist.

53. Teaching of High-school Mathematics. 2 cr. Sum. and 1 sem. Prerequisite, course 28. A critical historical survey of recent and present-day movements in the teaching of secondary mathematics, correlation of subjects, creation of interest, tests and examinations, definitions and axioms. Consideration of the topics of algebra, geometry and elementary trigonometry from the standpoints of presentation, placing of emphasis, difficulties and their remedies, making of problems and the collection of data for the same, historical points of reference connected with each. Observation of practice teaching in the Training High School.—Lindquist.

54. Astronomy. 2 cr. Sum. and 2 sem. Prerequisite, Plane Geometry. The usual work of descriptive astronomy.—Ellis.

Courses from the following will be given from time to time as demands warrant:

75. History of Mathematics. 2 cr. Prerequisite, courses 28 and 30.

76. Solid Analytical Geometry. 2 cr. Prerequisite, course 50 or 50*s*. A treatment of geometry of space from the analytic standpoint, similar to that of plane analytic geometry.

77. Differential Equations. 3 cr. Prerequisite, course 52. Ordinary differential equation in which much attention will be given to applications. The great advantage of the differential equation as a mathematical instrument.

78. Higher Algebra. 2 cr. Prerequisite, Analytic Geometry. Number field, number systems; complex numbers; limits; series; cubic and quadratic equations; theory of equations; infinite products; Taylor's theorem; multiple roots.

Measurements.

(See School Administration.)

Methods.

(See Teacher Training.)

Modern Languages.

Professor Dudley. Instructor Harrison. Instructor De Montoliu.

Major: In French, Spanish or German, 20 cr., not including course 1 and inclusive of courses in Oral Composition, the History of Literature, and the Teaching of the Language. Students majoring in one of the modern languages are advised to elect courses in English and European history, and to take at least ten hours of another modern language.

The equipment of the Department of Modern Languages consists of about 850 department books in the library, including a fairly complete list of reference books, one philological, one pedagogic and three literary periodicals, a weekly French newspaper, two wall maps of France, two physical maps and one political map of Germany; a set of eight Hölzel and Holz pictures for use in free composition and in methods; a spectroscope and several hundred post cards of various parts of Germany, France and Spain, and illustrating various phases of life in those countries; an increasing collection of framed prints and photographs, including those of statesmen and writers.

French.

1. Elementary French. 5 cr. Sum. and 1 sem. Pronunciation, phonetic transcription, principles of grammar, dictation, reading, oral work, simple writing.—Dudley.

2. Intermediate French. 5 cr. Each sem. Prerequisite, course 1, or one unit of high-school French. Grammar completed; reading, phonetic drill, dictation, reproduction, simple free composition.—Dudley.

25. Second-year French Reading. 3 cr. Each sem. Prerequisite, course 2, or two units of high-school French. Readings from Labiche and Martin, Halevy, Daudet, Mérimée, Hugo, and some poetry. Reproduction, outside reading, reports.—Dudley.

26. Second-year French Composition. 2 cr. Each sem. Prerequisite, course 2, or two units of high-school French. Grammar review, phonetic drill, translation from English to French, simple original themes.—Dudley.

27. Modern French Drama. 3 cr. 2 sem. Prerequisite, courses 25 and 26. Plays from Augier and Sandeau, Scribe, Coppée, Sardou and others; reproduction; outside reading.—Dudley.

30. Oral French Composition. 2 cr. 2 sem. Prerequisite, course 25. Simple discussions using common colloquial expressions based on reading, oral reports and themes.—De Montoliu.

50. Modern French Fiction. 3 cr. Each sem. Prerequisite, courses 25 and 26. Selected readings from Maupassant, Hugo, Sand, France, Musset, and others. Outside readings and reports.—Dudley.

51. Advanced French Composition. 2 cr. 2 sem. Prerequisite, courses 25 and 26. Study of idioms, translation into French from text, oral work and theme writing.—Dudley.

52. The Classic French Writers. 3 cr. On sufficient demand. Prerequisite, courses 50 and 51. Works of Molière, Racine, Corneille and others; collateral reading; reports giving the social and historical background for the works read.

53. French Romanticism. 3 cr. On sufficient demand. Prerequisite, courses 50 and 51. Origin and development of romanticism in France studied and compared with the romanticism in England and Germany; selected reading from leading French romanticists.—Dudley.

75. Survey of French Literature. 3 cr. On sufficient demand. Prerequisite, course 52. Reports and themes based on collateral reading; study of a textbook.—Dudley.

76. The Teaching of High-school French. 4 cr. On sufficient demand. Open by permission of the instructor. The state texts in French grammar reviewed and discussed; texts recommended by the state committee read outside of class and reports made. The formation of French sounds reviewed. Reports made on the aims and methods of teaching high-school French based on collateral reading; a course in high-school French outlined. A bibliography of reference books concerning France and the French language given by the instructor. The student required to observe and teach, as instructor requires, a beginning class in high-school French, and to work out lesson plans.—Harrison.

Spanish.

1. Elementary Spanish. 5 cr. Sum. and each sem. Chief aims: drill for the acquisition of a correct pronunciation; mastery of fundamentals of grammar, the ability to read and understand simple prose. Conversation, dictation, reading, reproduction and memorizing of prose.—Harrison.

2. Intermediate Spanish. 5 cr. Each sem. Prerequisite, course 1. Grammar completed, conversation, composition, dictation, reading and reproduction. Current-event discussions from the Spanish newspaper.—Harrison.

25. Modern Spanish Fiction. 3 cr. Each sem. Prerequisite, course 2. A thorough study of the representative prose writers of the nineteenth century. Reading from such authors as Alarcón, Becquer, Valdés, Mesonero, Romanos, Pereda, Valera, and Blasco Ibáñez. Outside reading and reports.—Harrison.

26. Spanish Composition I. 2 cr. Each sem. Prerequisite, course 2. May be accompanied by course 25. Training in writing and speaking Spanish. Original stories based upon pictures.—Harrison.

27. Commercial Spanish. 2 cr. 1 sem. Prerequisite, course 26. Recommended that the student have at least an elementary knowledge of the simplest English business terms, such as checks, drafts, credit, debit, etc. Aim of the course: the acquisition of a technical vocabulary in whatever department the student is interested, and the ability to write a business letter in Spanish. Supplementary reading obtained through Spanish newspapers and magazines and reports of various phases of Spanish-American life required.—De Montoliu.

28. Oral Spanish. 2 cr. 2 sem. Prerequisite, course 25. Emphasis upon the idiomatic use of the spoken language. Designed to train students to speak Spanish with facility.—De Montoliu.

50. Modern Spanish Drama. 3 cr. 2 sem. Prerequisite, courses 25 and 26. The development of the realistic drama in Spain. Reading from the works of Moratin, Gil y Zárate, Jacinto, Benavente, Galdós and Quintero.—Harrison.

51. Spanish Composition II. 2 cr. 2 sem. Prerequisite, course 26. Review of grammar and syntax covered by previous courses. Composition, literary reviews, original topics.—Harrison.

75. Teaching of High-school Spanish. 2 cr. 1 sem. Open to students by consent of department. A study of the latest methods in teaching modern languages; the organization of a course of study based on the textbooks recommended by the state; reports on the manners and customs of people living in Spanish-speaking countries; drill in conversation and grammar.

German.

1. Elementary German. 5 cr. 1 sem. Grammar, reading; a scientific study of pronunciation by the application of the principles of phonetics; memorizing prose and poetry, reproduction, writing from dictation, and free composition based on one Hölzel and Holz picture.

2. Intermediate German. 5 cr. Sum. and 2 sem. Prerequisite, course 1, or one unit of high-school German. Grammar and reader completed; one short story or comedy read. Drill in pronunciation, memorizing, free reproduction, and writing from dictation.

25. German Short Stories. 5 cr. On sufficient demand. Prerequisite, course 2, or two units of high-school German. Practice in reading prose of intermediate difficulty; review of grammar; practice in writing.

26. Introductory German Classics. 5 cr. On sufficient demand. Prerequisite, course 25, or three units of high-school German. Selected works or readings from Schiller, Lessing, Goethe. Verbs reviewed; prose composition.

27. German Prose Composition. 3 cr. On sufficient demand. Prerequisite, course 26, or its equivalent. Practice in translation of difficult English into German. Study of idioms; theme writing.

28. Oral German Composition. 2 cr. On sufficient demand. Prerequisite, course 26. Aim: increase of vocabulary and command of colloquial German by conversation and discussions based on a text, and oral reports on practical subjects.

50. Goethe. 3 cr. On sufficient demand. Prerequisite, course 27. The study of Goethe's life, with attention to literary and social conditions of his time in Germany. Selections from Goethe's dramas, lyrics, and from Dichtung and Wahrheit.

51. Lessing. 3 cr. On sufficient demand. Prerequisite, course 27. The same general method pursued as in course 50.

52. Nineteenth Century Fiction. 3 cr. On sufficient demand. Prerequisite, course 50 or 51. Aim of this and following course: to introduce the students to the men and movements which have had a determining influence in the shaping of modern German literature. Novels of representative men of the nineteenth century read.

53. Nineteenth Century Drama. 3 cr. On sufficient demand. Prerequisite, course 50 or 51. Dramas from representative men of the nineteenth century.

75. History of German Literature. 2 cr. On sufficient demand. Prerequisite, course 52 or 53. Study of texts; papers and reports on important men and movements by members of the class.

76. History of German Literature II. 2 cr. On sufficient demand. Prerequisite, course 52 or 53. The seventeenth century to the end of the nineteenth. Completion of texts begun in course 75. Selected works from important writers.

77. Phonetics. 1 cr. On sufficient demand. Open to students by consent of the instructor. A careful study of the organs of speech by means of plates, casts and stereoscopic views; study of the formation of German speech sounds from the point of view of organs of speech, and phenomena of the sounds themselves; classification of sounds according to their position and formation; practical application of the principles studied, and study of sentence stress, or melody in reading.

Music.

Frank A. Beach, Director Normal School of Music, Professor of Voice, Theory of Public-school Music.
Ada Baum, Piano and Music Appreciation.
Martha Bates Hatfield, Voice.
Hope Hardie, Violin.
Lillie Jordan, Assistant in Piano.
George Keenan, Violin.
Alderson Messick, Wind Instruments and Band.
Ralph Page, Voice.
Marie Pierson, Piano.
Ardene Phifer, Piano, Theory.
Harriet Prutsman, Piano, Accompanying and Theory.
Maurine Smith, Voice.
E. Anna Stone, Piano for Children, Juvenile Methods.
Catharine E. Strouse, Associate Professor, Public-school Music.
Maud B. Wallace, Public-school Music.
Flora Wilman, Piano and Public-school Music.

The requirements for the degree of Bachelor of Science in Music are listed in Part I of the General Catalogue. All certificates are listed in the catalogue of the School of Music.

Two- and three-year courses leading to certificate or diploma in piano or voice, violin or other orchestral instrument are outlined in the catalogue of the School of Music.

Public-school Music.

The public-school music courses are free to any student regularly enrolled. The demand for supervisors of public-school music in its various phases who are also thoroughly equipped along academic lines has led to the organization of a four years' college course of study which has music for its major. Upon its completion graduates may teach, in addition to high-school music, any other high-school subject for which they are prepared. The degree of Bachelor of Science in Music is conferred.

Credit for private lessons in applied music (piano, voice or violin) is granted, to apply on any certificate or degree on the basis of one hour of credit for eighteen lessons.

Credit is allowed in applied music for work done in known institutions or under private teachers, after registration and satisfactory progress has been made in the subject in which credit is desired.

Students registered in the department are permitted to sing or play in public only upon recommendation from the instructor and permission from the office. Teachers will coöperate in preparing for public performance all students who will be a credit to themselves and to the School.

All electives in music are to be selected with the approval of the director of the School of Music.

All students enrolled for private study, class work or in any musical organizations are required to attend chorus and rehearsals.

For entrance requirements see Part I of General Catalogue.

For certificate or diploma in applied music (piano, voice or violin) see catalogue of the School of Music.

1. Elementary Sight Singing.* 2 cr. Sum. and each sem. Deals with the elements of music, rote singing, the facts of time and tune, with their staff representation, leading to the reading of one-part music.

2. Intermediate Sight Singing.* Prerequisite, course 1. 2 cr. 2 sem. This course is designed to succeed course 1. Reading in two parts.

8. Rural-school Music.* 3 cr. Sum. and each sem. This course deals with the subject matter and methods of public-school music for ungraded and small schools in third-class cities. Drill in rhythm, intervals and individual singing are included. Students electing music for certificate for special proficiency in rural-school teaching should take this course.

* This course cannot be submitted as credit for the degree of Bachelor of Science in Education, but can be submitted for the degrees of Bachelor of Science in Music and Bachelor of Science in Commerce and for any certificate.

10. Music Material I, including Chorus Singing I and Conducting.* 1 cr. Each sem. A course dealing with the selection and use of sacred and secular music of the various vocal types, and bibliography of scores, and a critical analysis of musical content. Required of all music students and members of music organizations.—Beach.

10*a*. Music Material II, including Chorus Singing and Conducting.* 1 cr.—Beach.

11. Music Appreciation I. 2 cr. Open to nonmusic students or those who are not specializing in music. The purpose of the class is to acquaint students with standard vocal and instrumental compositions and enable them to listen with discrimination. Students are afforded opportunity for laboratory study of phonograph records and pianola rolls. Current musical events.—Baum.

11*a*. Music Appreciation II. Prerequisite, course 11 or 12. 2 sem. 2 cr. A study of the larger forms of opera and symphony, etc.—Baum.

12. Music History and Appreciation I. 2 cr. Sum. and 1 sem. Designed for prospective teachers and supervisors. The course deals with the development of music, and is based upon a standard text, illustrated by records and rolls for the mechanical players and special numbers furnished by students and faculty.—Baum.

13. Music History and Appreciation II. Prerequisite, course 12. 2 cr. 2 sem. Continuance of the previous course.—Baum.

15. Instrumental Ensemble.* 1 cr. Practical work in string quartet, orchestra and wind instruments.—Keenan.

25. Kindergarten and Primary Music. Prerequisite, course 2. 2 cr. Sum. and each sem. Open only to freshmen and sophomores.—Strouse.

25*a*. Kindergarten and Primary Music Instruction. Prerequisite, course 1. 2 cr. Sum and 2 sem. Open to candidates for certificates of special proficiency in kindergarten or primary teaching. This course will not apply on any music certificate.—Strouse.

26. Grade and Junior High-school Music. Prerequisite, course 27. 2 cr. Sum. and each sem.—Strouse.

27. Advanced Sight Singing.* Prerequisite, course 2. 2 cr. 1 sem. Sight reading in three and four parts.

29. Elementary Harmony I. 2 cr. Sum. and each sem. Notation, writing of major and minor scales, intervals, triads and inversions, simple cadences. All applied to keyboard and audibly distinguished in vocal music.—Phifer.

30. Elementary Harmony II. Prerequisite, course 29. 2 cr. Each sem. Four-part writing, harmony depending on melody, including use of: primary triads and inversions, dominant seventh chords and inversions in major and minor keys, close and dispersed harmony. Ear training and keyboard work is emphasized.—Phifer.

37. History of Music I. 2 cr. 1 sem. The course includes the growth of music from ancient to modern times; the history of early church music; the development of musical forms; sacred and secular, and instruments; and the polyphonic era. Required of students in applied music.—Baum.

38. History of Music II. Prerequisite, course 37. 2 cr. 2 sem. Modern music and musicians; biographies and the works of the great composers of the classic, romantic and modern schools. The history of the opera, oratorio, symphony and various other forms are studied in detail.—Baum.

39. Elementary Piano Methods.* 1 cr. Sum. and 2 sem. A special course for students preparing themselves as teachers. The work embraces lectures on methods and materials for teaching beginners; papers and discussion by students. Practice teaching. Fee, $5.—Stone.

40. Advanced Piano Methods.* 1 cr. Sum and 1 sem. Prerequisite, course 39. A continuation of the preceding course, dealing with methods and material for intermediate students. Fee, $5.—Wilman.

41. Voice Methods I. Fee, $5.

42. Voice Methods II. Fee, $5.

43. Violin Methods I. Fee, $5.—Keenan.

44. Violin Methods II. Fee, $5.—Keenan.

45. Ensemble Playing or Singing I. 1 cr. Required throughout the year of piano-certificate students, without credit. Time to be assigned by the instructor. Ensemble-playing classes in piano and violin meet regularly for the study of concerted music. Four- and eight-hand music and chamber music for stringed instruments form the basis of the work. This practice enables the pupil to become acquainted with many masterpieces and to receive training in sight reading and accompanying. Credit for orchestra and band is allowed students who are regularly enrolled.

46. Ensemble Playing or Singing II. 1 cr. Required throughout the year of piano-certificate students, without credit. Advanced ensemble playing; continuation of course 45. Time to be assigned by the instructor.

47. History of Oratorio. 2 cr. The study and development of sacred music in its larger forms, beginning the mystery and morality plays through the early cantata to the oratorios of Handel, Haydn and Mendelssohn.

48. Elements of Musical Notation. 2 cr. The study of the symbols of music from the notation of the Greek to the tablature and neumes of the Middle Ages; the development of the staff and clefs leading to modern notation. The principles underlying the different methods for rapid reading of modern musical notation.

50. Community Music and Chorus Conducting I.* 2 cr. Sum. and 1 sem. This includes the problems of classifying voices, effective arrangement of parts, selection of material, correct use of baton, and the securing of variation in tempo and dynamics.—Strouse.

51. Ear Training I. 2 cr. Recognition of intervals and rythmic types isolated and in melodies. A preparation for harmony as practically presented in the succeeding course.

52. Ear Training II. 2 cr. An advanced course in ear training.

53. Intermediate Harmony. Prerequisite, course 30. 2 cr. 2 sem. (Continuation of Elementary Harmony II.) Four-part writing, harmony depending on melody, including use of: primary and secondary triads and their inversions, dominant seventh, dominant ninth, leading tone seventh and diminished seventh chords and their inversions in major and minor keys. Close and dispersed harmony. Simple modulations.—Phifer.

54. Advanced Harmony. Prerequisite, course 53. 2 cr. Four-part writing, harmony depending on melody. Harmonizing original melodies. Further use of chords already introduced in Harmony I and II, and also secondary seventh chords, altered chords, mixed chords, chromatic passing tones, suspensions, organ point. A thorough study of modulations, including modulation through the diminished seventh chord in its various interpretations, using enharmonic changes. Also through the dominant seventh chords.—Phifer.

55.—Harmonic Analysis and Form. Prerequisite, course 54. 2 cr. Analysis of four-part compositions; modulations at the piano. Keyboard demonstration in figured basses, cadences and modulations.—Phifer.

Note.—The above work is planned for supervisors' training courses as especially adapted for high-school music methods.

56. Intermediate Solfeggio.* Sum. and 1 sem. Prerequisite, course 27. 2 cr.

57. Advanced Solfeggio.* 2 sem. Prerequisite, course 56. 2 cr. Drill in advanced and rapid sight reading.

58. Technic of Opera.* 2 cr. 1 sem. A practical study of the various vocal forms, including chant, anthem, cantata, oratorio and opera. Open to advanced students or especially qualified underclassmen.—Beach.

75. Counterpoint and Composition I. Prerequisite, course 54. 2 cr. 1 sem. Counterpoint applies the principles of harmony to the melodious treatment of the several voice parts in combination. The study of this subject naturally follows that of harmony and develops the contrapuntal facility necessary to all forms of composition. The work includes strict counterpoint; the various orders of modern counterpoint; double and triple counterpoint. —Phifer.

76. Counterpoint and Composition II. Prerequisite, course 75. 2 cr. 2 sem. Counterpoint in five or more parts; vocal counterpoint analysis; exercises in free composition.

77. Orchestra Study and Conducting II.* Prerequisite, course 50. Sum. and 2 sem. 1 cr. A study of the instruments of the orchestra; the possibilities of the high-school orchestra; bibliography of material and practical conducting.—Keenan.

78. High-school Music Instruction. Sum. and 2 sem. Prerequisite, course 56. 2 cr. This course deals with the methods of presenting the subjects as regularly taught in a high school offering music as an accredited subject. They are as follows: Notation, melody writing, elementary harmony and part writing, advanced harmony, music history and appreciation, and chorus conducting.—Strouse.

79. Systems.* Prerequisite, course 26. 1 cr. Sum. and 1 sem. A comparative study of the several systems of public-school music and their application. Open to students who are specializing in the department.—Strouse.

80. Solfeggio Review.* Prerequisite, course 57. No credit.

Applied Music.

The Catalogue of the School of Music gives full information in regard to the work done in applied music and the certificate and diploma granted.

Lessons in Piano. A term of applied music carrying one hour credit consists of eighteen lessons, two lessons a week for nine weeks, or a half semester. For a half term of lessons, or one lesson per week, the rate is one-half the tuition for a term plus one dollar.

Special Lessons in Playing and Singing. These have for their object attainment of practical ability without emphasis on technical skill. This work is open to students after a conference with the director. It carries no credit and requires but a limited amount of preparation.

All tuition is payable strictly in advance at the beginning of each term. Work in this department is suspended on legal and school holidays, as given in the calendar of this catalogue. Students may enter at any time. It is best to enroll at the beginning of a term. All lessons lost by absence or tardiness of the pupil will be the pupil's loss, unless reasonable previous notice of the expected absence is given, in which case the lesson will be made up within the term only. Students must complete a full term of lessons or class work in order to receive a grade for the work. Students leaving or discontinuing lessons during the term time forfeit all payments, except in case of protracted illness, in which case the balance will be allowed upon a subsequent term, or half the loss will be borne by the department. All students who wish to take up work in this department must receive an assignment card from the director of music. This card must be stamped by the registrar and bursar, presented to the instructor for signature, and returned to the office of the director of the department.

Substitution for certain subjects will be allowed upon application to the director in cases where it is plainly evident that the student's efficiency will be increased by such change.

Piano.

Rent is charged for pianos at the rate of $2 a term for one hour a day.

It is impossible to set down a list of studies to be strictly adhered to, as the needs of the individual pupil must be consulted and the studies varied accordingly. Moreover, new works are constantly being published. These are carefully examined and those of value are used in the course. However, an idea of the work covered in the different years may be obtained from the following:

Elementary Grades. Lambert Pianoforte Method; Lebert and Stark, Book One; Crosby-Adams; Burgmüller, Op. 100; Loeschhorn, Stamaty, Lemoine, Whiting Pedal Studies, Bertini, Heller; Preyer, Op. 44; sonatinas by Clementi, Kuhlau, Dussek; major, minor and chromatic scales. Chords of key and inversions. Per term, $18.

Note.—The above corresponds to grades one to six of standard course adopted by the Kansas State Music Teachers' Association. Students who bring satisfactory statement from previous instructors for the above will be admitted to the intermediate course.

First Year, Intermediate. Technical exercises, scales, arpeggios, octaves. Studies by Arthur Foote; Heller, Fifty Selected Studies; Bertini, Selected Studies; Behrens School of Velocity. Sight playing. Per term, $18.

Second Year, Advanced. Czerny, Op. 299; Kullak Octave Studies; Heller, Op. 16; Loeschhorn, Op. 67. Continued study of scales, chords, arpeggios. Easier sonatas by Haydn and Mozart. Ensemble playing. Per term, $22.50.

Third-year Certificate Course. Cramer, Henselt, Bach; Heinze, Album; Bach, two- and three-voiced inventions. Sonatas by Mozart, Beethoven and Grieg. Selections from Chopin, Schumann, Moszkowski, MacDowell. Per term, $27.

Diploma Course. Czerny, Op. 740; Moscheles Studies continued; study of Bach and Beethoven. Selections from Liszt, Chopin, DeBussy and Brahms. Concerto study. Per term, $27.

Voice.

Preparatory Grade. Fundamental principles of voice building; correct poise, with proper breathing; blended scale; diction; stage deportment; sight reading and simple songs in English; Sieder, 8-measure Vocalises; Marchesi, Opus 2. Beginning piano. Per term, $18.

Intermediate Grade. Studies for enunciation, rhythm and phrasing; acoustics; sight reading and diction. Exercise for attack, legato and staccato; solfeggio and ensemble practice; vocalises by Concone, Panofka, Lutgen and Shakespeare; ballads and songs by present-day composers in English. Public appearance; piano. Per term, $22.50.

Certificate Grade. Vocalises by Marchesi, Op. 3; studies by Panofka, Op. 8; Vaccai; Henneman, 101 Master Exercises; shade and tone color; continued studies in enunciation; artistic interpretation; selections from the works of American, English, German or Italian writers in the vernacular; joint recital with one other student of equal grade. Accompanying. Per term, $27.

Diploma Grade. Advanced work in technical studies for phrasing; development of natural style and cultivation of dramatic expression; enunciation; at least four complete major oratorios; six selections from the standard operas in the vernacular; twenty English, French and German classics in the vernacular; practical work in musical pedagogy; full public recital; advanced accompaniments. Per term, $32.50.

Violin.

Elementary Grade. Careful study in holding the violin, position of the body, placing of fingers in different keys; fundamental principles of bowing. Schools and studies by Wohlfahrt, Hermann, Blumenstengel, Laoureux, de

Beriot, Dancla, Kayser, and Wilhelmj-Brown. Violin duets by Mazas and Pleyel. Scale studies in all keys; varied fingering and simple bowing; arpeggio forms in first and third positions; small classical solos with piano accompaniments. Class in sight reading. Per term, $18.

Intermediate Grade. (Outlined for high-school pupils and adult beginners.) Scales and arpeggios in three octavos by Ysaye and Cesar Thomson. Studies by Kayser, Schradieck, Kreutzer and Siorello. Sonatas by Corelli, Handel, and Beethoven. Concertos and soli: Beethoven; Two Romances, Vieuxtemps; Morceaux de Salon, Wieniawski; mazurkas and concertos by Viotti, Mozart, Kreutzer, Rode, and de Beriot. Orchestral class. Per term, $22.50.

Certificate Grade. Advanced scale work in thirds, sixths and octaves by Cesar Thomson. (These scales are not in print, but are given from manuscript.) Advanced studies by Kreutzer, Fiorello, Rode, Gavinies, and Wieniawski. Bach sonatas for violin alone. Concertos by Mendelssohn, Bruch, Beethoven, Bach (E major), Wieniawski (D minor); Soli by Wieniawski (Polanaises in A and D, Souvenir de Moscow), Scherzotarentelle, Sarasate and Saint-Saëns. Sonatas by Beethoven, Cesar Franck, Grieg and Brahms. Per term, $27.

Diploma Grade. Scale and arpeggio in three octaves. Studies by Rode and Gavinies. Concertos and solos: Spohr, Bach, Viotti (22d), Kreutzer (19th), Rode (10th), de Beriot (7th), Solos by Hubay. Orchestral and ensemble classes. Per term, $32.50.

Brass Instruments.

Excellent opportunity, under a trained instructor, is offered to students who wish to learn to play brass instruments and instruments of the wood-wind group. Students who have played instruments of any sort should not fail to bring these with them, even though they have no expectation of studying. The orchestra and Normal band offer opportunities for both pleasure and service to all musical students, whether enrolled in the School of Music or the Normal proper.

Oral English.

(See Public Speaking.)

Philosophy.

(See Psychology.)

Physical Education.

H. W. Hargiss, Director of Physical Education for Men.
A. A. Scabinger, Instructor.
Edna McCollough, Acting Director of Physical Training for Women.
Bernice Taylor, Instructor.
Catherine Callahan, Instructor.

Major: Students majoring in physical training are required to take the following courses, totaling 28 hours of credit: Physiology, 5; Anatomy, 5; Kindergarten Plays and Games, 2; School Hygiene and Sanitation, 3; History of Physical Education, 2; Playground Supervision, 3; Applied Anatomy, 3; Kinesiology, 3; Methods of Physical Education and Coaching, 3.

The following courses are recommended as electives: Physiology of Exercise, 3; Anthropometry, 1; Histology, 2; Pageantry, 3; Dramatics, 3; Scouting (boys and girls), 3.

A special certificate to teach physical training in the elementary school and high school is issued. For requirements, see "Special Certificates" in Part I of the General Catalogue.

Gymnasium Costume for Men. The regulation costume is worn in all classes. It consists of a white sleeveless shirt, white track pants and white

tennis shoes. The suit complete can be secured from local dealers at a small cost.

Gymnasium Costume for Women. A regulation costume is worn in all classes. It consists of black serge bloomers, all-white middy blouse and black tennis shoes or leather gym shoes, and is sold by local merchants.

Theory.

1. History of Physical Education. (Men and Women.) 2 cr. Sum. and each sem. A library and textbook study of ancient, modern and present-day physical training; the origin of systems and their adaptation to the educational needs of schools, colleges and nations.—Hargiss.

2. Playground Supervision and Instruction. (Men and Women.) 3 cr. Sum. and each sem. Theory and practice. The theoretical work; the psychology of play; construction and equipment of playgrounds; adaptation of play to varying ages; organization and daily programs; history and literature of the playground movement. Practice half-time playground games suitable for school children of the intermediate and upper grades.—Scabinger.

3. Theory of Coaching and Management of Men's Athletics. 3 cr. Sum. and each sem. The different methods of teaching and coaching the major sports. The finer points of football, baseball, basket ball and track athletics.—Scabinger, Hargiss.

26. Methods of Physical Education and Coaching. (Women and Men.) 3 cr. 1 sem. Open only to sophomores. Methods for handling classes in the different phases of work; tactics, gymnastics, folk dances, games and apparatus work, and their relation to the school curriculum. One period is devoted to methods of coaching.—McCollough, Taylor.

51. Applied Anatomy. (Men and Women.) 2 cr. Sum. and 2 sem. Prerequisite, Anatomy. A practical application of anatomy and the study and coördination of muscles from the standpoint of physical education.—Taylor.

52. Kinesiology. (Men and Women.) 3 cr. 2 sem. Prerequisite. Human Anatomy. The massage movements for the different parts of the body, corrective exercises for gym and schoolroom.—McCollough.

53. Anthropometry.* (Men and Women.) 1 cr. Sum. and each sem. Methods of measuring and testing the body; examination of the special senses; vitality and efficiency tests. Anthropometric charts, etc. Determination of normal and abnormal variations.—Hargiss.

54. Physiology of Exercise. (Men and Women.) 3 cr. Sum. and each sem. The effects of physical exercise on the body. The reactions the various organs undergo, normally, etc.; their continuity, coördination and integration. —Hargiss.

55. Boy-scout Movement. (Men and Women.) 2 cr. Sum. The boy scout, girl scout, and campfire girls organizations. For school superintendents, teachers, scout masters and others. The value of scouting; analysis of the various activities as to their hygienic, physical, mental and moral values; the adolescent during the scouting age. Practice in all the principal scouting activities and requirements; methods of establishing and maintaining scouting as a community enterprise.—Scabinger.

* This course cannot be submitted as credit for the degree of Bachelor of Science in Education, but can be submitted as credit for the degree of Bachelor of Science in Commerce or Music, or for any certificate.

Practice.

Men's Department.

Freshman and Sophomore Years.

Required, one hour per semester (two or three periods per week in gymnastics or athletics for one hour credit), unless excused by the President.

In the practice of indoor and outdoor sports, attention is given to form and technic; adaptability of the individual to the various sports; conditions; rules and methods of scoring; team work and strategy. Teams for intercollegiate competition are maintained in football, basket ball, track athletics and tennis. The rules governing eligibility for participation in intercollegiate contests are those of the Kansas College Athletic Conference.

2. Elementary Gymnastics. One hour credit. Marching tactics, free-hand and light apparatus exercises and gymnastic games. Special attention is given to the correction of faulty posture and carriage of the body.

3. Intermediate Gymnastics. One hour credit. Body building and corrective exercises, gymnastic dancing steps, heavy apparatus exercises, and elementary tumbling. Prerequisite, course 2.

4. Advanced Gymnastics. One hour credit. Offered the third and fourth terms to those prepared to take up athletics and folk dancing, individual and companion tumbling, and difficult exercises upon the heavy apparatus. Prerequisite, courses 2 and 3.

7. Football. One-half hour credit. Given during the fall, only to men in good physical condition as shown by physical examination. The squad is divided into teams according to ability.

8. Basket Ball. One-half hour credit. Classes are organized throughout the year. Class squads are organized from which teams are chosen for the interclass series. These games are played as curtain raisers to the intercollegiate games.

9. Baseball. One-half hour credit. Given in season. Individual and team practice. The squad is divided in teams graded according to ability.

10. Track and Field Athletics. One-half hour credit. Given in season, only to men in good physical condition as shown by physical examination. Cross-country running is given in season.

11. Field Hockey. One-half hour credit. Given in season, only to men in good physical condition as shown by physical examination.

12. Tennis. One-half hour credit. Given in season. Tournaments in both singles and doubles are held.

13. Swimming. One-half hour credit. Elementary and advanced instruction is given throughout the year.

Women's Department.

Purpose: The aim of the department is twofold. The first aim is to bring each student to her best possible physical condition, and by a careful system of gymnastic training to correct faulty posture and carriage, to aid in the formation of habits of hygienic living, to secure bodily vigor, and to obtain a healthful and systematic development, rather than to secure the greatest increase in muscular power. Students will be given special medical or corrective exercises prescribed according to individual needs as indicated by their physical examinations. In order that the effect upon muscles may be lasting and best results be obtained, students will not be excused from physical training until the required courses are satisfactorily completed, but the work will be adapted to the individual needs as far as possible. The second aim is to train teachers to consider intelligently the physical needs of their pupils; to

direct, in the schoolroom, daily exercises which will prevent or help to correct physical defects; and on the playgrounds, to teach athletics, games and folk dances.

Freshman and Sophomore Years.

Required, one hour per semester, unless excused by the president. (Three periods of work per week in gymnastics, athletics or other elective work during one semester of eighteen weeks gives one hour credit.)

2. Elementary Gymnastics. Required of all beginners. Three periods a week for one semester.

3. Intermediate Gymnastics. Prerequisite, course 2, or its equivalent. Three periods a week for one semester.

7. Corrective Gymnastics. Open to all students who have need of remedial work. Special attention to those having spinal curvature, round shoulders, narrow chests, forward heads, weak backs, pronated ankles, or other physical weakness.—Callahan.

8. Outdoor Sports. Prerequisite, two terms of gymnastics. Three periods a week in season. A variety of games, including baseball, soccer, playground ball, cross ball, track athletics and relay racing.—Taylor.

10. Basket Ball. Prerequisite, course 2. Open only to students who are physically qualified.—Taylor, Callahan.

11. Baseball. One period a week in season.—Callahan.

12. Hockey. One period a week in season.—Taylor.

13. Tennis. Open to all students having the privilege of electing athletics. One, two, or three periods a week.

14. Swimming. One lesson a week is allowed each student.—Callahan.

20. Advanced Gymnastics. Prerequisite, course 3, with high grades and physically adapted to apparatus exercises, and to special students.—Taylor.

23. Methods in Floor Work. Required of all students during their second year of college work who have completed course 2. Three periods a week, two of which are floor work and one a lecture. Gymnastics, games and folk dances, suitable for the schoolroom and playground. During each half semester the lecture is given in the corrective department, where exercises and prescriptions are taught that may be used to correct common physical defects in children and older girls. During the second half of the semester each girl is required to teach, and criticism is given by the instructor and other members of the class.—Taylor.

26. Æsthetic Dancing (Elementary). Two periods a week. Grace and freedom of movement; classic dancing, one of the most important phases of gymnastic exercise.—McCullough.

27. Folk Dancing (Intermediate). One period a week. The simple peasant and national dances suitable for recreative and exhibition work with children.—McCullough.

28. Æsthetic Dancing (Intermediate). Prerequisite, course 2.—McCullough.

29. Folk Dancing (Intermediate). Prerequisite, course 27. One period a week.—McCullough.

30. Advanced Æsthetic Dancing.—McCullough.

31. Advanced Folk Dancing.—McCullough.

Physics.

Professor Drake. Instructor ————.

Major: 20 cr., not including course 1.

This department is located on the third floor of Norton Science Hall, occupying a suite of the following rooms: Lecture room, elementary laboratory, advanced laboratory, radio laboratory, photographic laboratory, department library, and office. Comprehensive equipment is furnished for the elementary and advanced courses. Electric current is supplied to all parts of this floor from a thoroughly up-to-date type of switchboard designed and built in this department. A gasoline engine and other farm, home and school appliances are provided for study purposes.

1. General Physics. 5 cr. 1 sem. A rapid survey of the entire field of physics. Designed for those who do not offer physics for college entrance.

2. Household Physics. 3 cr. 1 sem. Prerequisite, high-school physics or Physics 1. Lectures, assigned readings and laboratory work. Labor-saving devices in the home; heating, ventilating, lighting plants; color phenomena; modern cooking devices, musical instruments, and electrical appliances used in the home.

3. Radio Telegraphy and Telephony. 3 cr. Sum. and 2 sem. Prerequisite, high-school physics. Theory and practice of radio work, setting up apparatus, tuning, measuring waves, experiments with wireless equipment, practice in sending and receiving.

4. Gas Engines and Automobiles. 3 cr. 1 sem. Prerequisite, high-school physics. Engines, cooling system, valves, ignition, fuels, carburetors, governors, engine troubles, auto troubles.

5. Elements of Electrical Engineering. 3 cr. Prerequisite, high-school physics. House wiring, generators, motors, storage batteries, lighting plants, transformers, converters, and projection apparatus, including the use of the moving picture machine.

6. Visual Instruction. 2 cr. Sum. and 2 sem. The proper organization and correlation of visual materials with textbooks and classroom work. Operation and care of stereopticons and motion-picture machines. Experiments with mirrors and lenses, arc and incandescent lights, alternating-current and direct-current electricity of different voltages; the use of many kinds of stereopticons and reflectoscopes; the use of a portable machine for classroom work, the Powers machine with an arc light and converter, a Simplex machine with 900-watt Mazda lamp; inspection, repair and care of films. Open to both men and women.—Drake.

25. Mechanics of Sound and Heat. 5 cr. Sum. and 1 sem. Prerequisite, one year each of algebra, geometry and high-school physics, or Physics 1; also Trigonometry (this may be taken at the same time).

26. Light, Magnetism, Electricity. 5 cr. Sum. and 2 sem. Prerequisite, same as course 25.

50*a*. Advanced Mechanics. 3 cr. First half of 1 sem. and sum. 1923. Prerequisite, courses 25 and 26 and Trigonometry. Practical problems and experiments related to forces in commercial structures, work, power, electricity and mechanics of fluids.

50*b*. Advanced Heat. 2 cr. Sum. 1922 and second half of 1 sem. Prerequisite, same as for 50*a*. Problems and experiments related to fuels, calorimetry, steam and gas power plants, gas engines and refrigeration plants.

51. Advanced Magnetism and Electricity. 4 cr. 2 sem. Prerequisite, same as for 50*a*. Problems and experiments in magnetism and electricity; study and use of direct- and alternating-current instruments and machinery.

52. Advanced Light. 2 cr. 2 sem. Prerequisite, course 26. Problems and experiments related to illumination; the eye, microscope, telescope, spectroscope, spectrometer, polarized light, the stereopticon, reflectoscope, and the moving-picture machine.

75. Advanced Alternating-current Electricity. 3 cr. 2 sem. on demand. Prerequisite, course 51. Practical problems and experiments in alternating-current electricity; study and use of alternating-current instruments and machinery.

Physiology and Hygiene.

Professor ———. Instructor Van Voris.

5. Personal Hygiene. 3 cr. Sum. and each sem. Hygiene and the functions of respiration, circulation, nutrition, secretion, excretion, etc. Causes, symptoms and treatment of the more common diseases. First aid and emergencies. Each student may know himself.—Van Voris.

8. School Hygiene and Sanitation. 3 cr. Sum. and each sem. The location of school grounds and the proper construction, lighting, heating and ventilation of school buildings; personal hygiene as it relates to the pupils and the teacher; the water supply, school toilets, and the disposal of sewage; medical inspection, and the care of exceptional children. Papers touching the latest developments in school and individual hygiene by members of the class.—Mayberry.

25. Advanced Physiology. 5 cr. Sum. and each sem. The functions of blood, lymph, digestive organs, skin, glands, respiratory organs, muscles, etc. Laboratory work throughout the course.—Van Voris.

50. Human Anatomy. 5 cr. Each sem. The bones, muscles, nervous system, and internal organs. Constant use of the skeleton and life-size manikin.—Van Voris.

51. Histology. 2 cr. 2 sem. Macroscopic and microscopic structure of the organs and tissues of the body. Laboratory work is an important part of the course.—Van Voris.

Primary.

(See Teacher Training.)

Psychology and Philosophy.

Professor Triplett. Associate Professor DeVoss. Associate Professor Worcester.

Major: 26 cr., including required work.

Psychology.

1. Elementary Educational Psychology. 3 cr. Sum. and each sem. The psychology of the learning process of school children.

3. Child Psychology. 2 cr. Sum. and each sem. Prerequisite, course 1. The mental development of children, aiming to give a point of view; the nature and needs of the child at the different periods of his growth. Direct observations are made and various investigations studied.

25. Social Psychology. 2 cr. 2 sem. Prerequisite, course 1. Those interests and instinctive tendencies of the mind that are the result of the community life of the race. Meant to throw light on the nature of society and to give a basis for a more truly social pedagogy. May be taken as a part of six additional hours in professional requirements.

26. Measurement of Intelligence. 3 cr. Sum. and each sem. Prerequisite, course 1. Examination of many of the intelligence tests now published. A number of them are used. The students are trained in the use of intelli-

gence tests. A clinic is conducted, in which retarded, dull and superior children are studied.

27. Business Psychology. 3 cr. On demand. Prerequisite, course 1. The application of psychological principles and research to everyday business problems, such as advertising, salesmanship, selection of personnel, and incentives to greater efficiency.

50. Psychology of Religion. 2 cr. On demand. Prerequisite, course 1. A study of the psychological phases of religion, with the aim of improving the quality of religious pedagogy, particularly in high school, in Sunday school and in missionary work.

53. Psychology of Adolescence. 3 cr. Sum. and 1 sem. Prerequisite, course 1. The important physical, mental and moral changes which are natural to adolescence. A foundation for the pedagogy of secondary instruction.

55. Abnormal Psychology. 2 cr. 1 sem. Disturbances and defects of personality; the morbid and pathological; the various phases of the psychology of tension and catharsis; the methods of psychoanalysis, including the association method and hypnotism.

56. Vocational Psychology. 2 cr. 2 sem. Prerequisite, course 1. Some of the problems and methods of the branch of applied psychology which deals with individual differences in mental constitution, and which has given us a beginning in the work of vocational direction.

75. Educational Psychology. 3 cr. Sum. and 2 sem. Prerequisite, course 1. Important topics in psychology in their educational aspects. Many of these—of the utmost value for the teacher—such, for instance, as the learning process, economical methods of memorizing and making associations, the education of the senses, intelligence tests, etc., have little or no space in the ordinary textbooks. Each student also, as a special study, is required to deal with the psychology of some subject in the curriculum, as the psychology of spelling, of reading, of arithmetic, and the like.

Philosophy.

60. Ethics. 2 cr. 1 sem. The developmental side of the subject, the systematic side, and the practical applications.

61. History of Ancient and Mediæval Philosophy. 2 cr. 1 sem. (1) Greek and Roman philosophy, with the emphasis on Plato and Aristotle; (2) a rapid survey of early Christian and scholastic philosophy.

62. History of Modern Philosophy. 2 cr. 2 sem. From Descartes to the present.

63. Introduction to Philosophy. 2 cr. The general philosophical territory, such as consideration of materialism, realism, the various brands of idealism, etc.

64. Problems in Modern Philosophy. 2 cr. 1 sem. Certain tendencies in modern thought, such as absolute idealism, pragmatism, Bergsonism, etc. The content of this course varies with the time of offering it. Timeliness is made the guide.

Public Speaking and Expression.

Professor Gilson. Associate Professor Davis. Instructor Graves.
Instructor Trautwein. Instructor Scott.

Major: 20 cr.

It is the purpose of the Department of Public Speaking and Expression to enable its students to speak the English language distinctly and correctly, to express the masterpieces of literature with true meaning and feeling, to address an audience easily and effectively, and to have so thorough a knowledge of the methods used that they may teach the subject wisely.

All courses offered are limited to twenty students.

1. Oral English. 3 cr. Sum. and each sem. A beginning course, giving a general survey of the field of public speaking and expression. Purpose: to create correct speech habits in language, voice, pronunciation, and thought process. Drill in platform work, both in extemporaneous speaking and oral interpretation of literature.—Graves, Trautwein, Gilson.

25. Expression I. 3 cr. Sum. and each sem. Prerequisite, course 1. The fundamental principles of expression, including training in voice, pronunciation and pantomime as applied to interpretation of literature. Special attention given to each student. Purpose: to enable the student to read the simpler forms of literature effectively.—Graves.

26. Public Speaking I. 3 cr. Sum. and each sem. Prerequisite, course 1. Designed to develop ability in extemporaneous speaking. Special attention to form and purpose of the speech and to certain psychological phases of the work.—Scott.

27. Story-telling. 3 cr. Sum. and each sem. Prerequisite, course 1. Especially planned for primary and kindergarten teachers and for playground workers. Purpose: the ability to tell stories well. Difficult types of story. Material suitable to different ages. The adapting and arranging of stories from literature.—Graves.

28. Dramatics I. 2 cr. Sum. and each sem. Prerequisite, course 1 or its equivalent. Presentation of farces and simple plays. Staging of plays. Special function to develop the student's ability in stage work.—Gilson.

29. Argumentation and Debate. 2 cr. Sum. and each sem. Practical debate. Text for reference. Debate considered as to form and matter.—Scott.

50. Dramatics II. 2 cr. Sum. and each sem. Prerequisite, course 28. A continuation of course 28. Special attention to scenery, stage lighting and costuming. Drill in presentation of more difficult dramatic literature.—Gilson.

51. Public Speaking II. 3 cr. Each sem. Prerequisite, course 26. A continuation of course 26. The study of more formal types of public speaking. The school oration. Famous speeches.—Scott.

52. Expression II. 3 cr. Each sem. Prerequisite, course 25. Continuation of course 25. Interpretation of more difficult literary forms; the expression of emotions. Selection of material and arranging programs.—Gilson.

53. Pageantry. 2 cr. Sum. Designed primarily to enable teachers to plan and produce a pageant in their community. Costume, music, dancing, staging and managing the pageant.—Gilson.

75. The Occasional Address. 2 cr. Each sem. Prerequisite, course 51. The formal lecture. Addresses for the banquet, commencement and community gatherings.—Scott.

76. Platform Reading. 2 cr. Each sem. Prerequisite, courses 25, 28, and three hours of literature. Designed especially for those who wish advanced training in platform art. Programs and literature suitable for public recital work.

77. Methods in Oral English. 2 cr. 2 sem. Prerequisite, courses 25, 26, 28. The presentation of expression and public speaking in high schools.

Private Lessons. It is necessary that the student who majors in this department have individual work. For this the private lesson is offered, to be arranged after consultation with the head of the department. A special fee of $11.25 for term of nine weeks is required. Persons interested should consult Professor Gilson.

Rural School.

(See Administration.)

School Administration.

(See Administration.)

Sociology and Economics.

Professor Myer.

Major: 20 cr.

Sociology.

1. Introduction to College Life. 3 cr. Sum. and each sem. Required of all freshmen. An introduction to the general fields of knowledge, designed to assist students at the outset of their school careers in outlining their courses and in choosing their major interests.—Carothers, Myer.

2. Introduction to Sociology. 3 cr. Sum. and each sem. Social evolution with biological background. The process by which civilization develops. The growth of customs and institutions. Reference to historical material. Intended as introductory to the various courses of the department.—Myer.

31. Principles of Sociology I. 3 cr. Sum. and each sem. Prerequisite, course 2 or 30 cr. A standard course covering the general field of sociology. —Myer.

51. Principles of Sociology II. 3 cr. 2 sem. and sum. 1923. Prerequisite, course 31, or 60 cr. and consent. Not given second semester 1922-'23 nor summer 1922. A comparison and evaluation of various systems of sociology. Covers same general ground as course 31, but by critical and comparative method.—Myer.

52. Educational Sociology. 3 cr. Sum. 1922 and 1 sem. Prerequisite, course 31, or 60 cr. and consent. The educational or character-molding influence of our social and industrial institutions; formal and informal education.—Myer.

83. Social Forces in America. 3 cr. 1 sem. Not given 1922-'23. Prerequisite, course 31, or 60 cr. and consent. The more important social and industrial groups and programs; the organs of public opinion, and their control.—Myer.

84. Sociological Problems. 3 cr. 1 sem. Prerequisite, 60 cr., including courses 31 or 51. A study by advanced students in the department of problems in the field. Material varies from year to year. Study in 1922-'23 will be on theories of social progress.—Myer.

Economics.

1. Introduction to Economics. 3 cr. 1 sem. and sum. 1923. A study of industrial society; of economic institutions, but little of economic theory.—Myer.

2. Principles of Economics. 3 cr. Sum. 1922 and 2 sem. A standard course in economic theory, covering the field of value and distribution.—Myer.

51. Labor Problems. 3 cr. 2 sem. Prerequisite, course 1 or 2 and 30 cr. The problem of industrial control. Considers such problems as the open and closed shop, strikes, profit sharing, welfare movements, participation of labor in the control of industry.—Myer.

52. Money and Banking. 3 cr. Not given 1922-'23. Prerequisite, course 1 or 2 and 30 cr. The history and principles of money and credit, banking, history, theory and practice and some of the financial problems of the day.

Spanish.

(See Modern Languages.)

Supervised Teaching.

(See Teacher Training.)

Teacher Training System.

H. G. Lull, Director.

Introductory Subjects.

Professor Lull. Professor Cutler.

1. Elementary Instruction. 3 cr. Sum. and each sem. Not open to students who have credit in Rural-school Instruction. Prerequisite, Elementary Educational Psychology. Must be taken before Kindergarten Play Materials, Primary Methods, and all teaching for the life certificate. A study of curriculum building and of methods of instruction and school discipline.—Lull.

1*a*. Elementary Instruction. 3 cr. Sum. and each sem. Equivalent to course 1 above in every respect except that less emphasis is given to the study of the curriculum.—Culter.

75. High-school Instruction. 3 cr. Prerequisite, Educational Psychology. Must be taken before the practice-teaching requirements for the B. S. degree in Education, the B. S. degree in Commerce and the B. S. degree in Music. The traditional elements in high-school instruction, aims and practices: the influence of the college upon high-school instruction; the prevailing tendencies of preparatory instruction reappearing in vocational instruction, and preparatory instructional tendencies at the close of the nineteenth century; the curriculums of junior and senior high schools; the social core of constants, elective groups, free electives, guidance administration; values and methods of instruction in the various branches, including the socialized recitation and supervised study.—Lull.

Kindergarten-Primary or Primary-Kindergarten Education.

Professor Harris. Miss George. Mrs. Bixler. Miss Johnson. Miss Smith. Miss Hatfield.

1. Primary Methods. 4 cr. Prerequisite, Elementary Instruction. Sum. and each sem. The aims of education. Subject matter and methods which best realize these aims. A critical study of methods of presenting the principal subjects of instruction in the lower grades, stressing habits of work. After each subject is completed, illustrative lessons are given with the pupils of the first three grades of the Training School. The work includes: (1) *Primary Methods:* Meaning and purpose. (2) *Reading:* A study of methods, early and modern. Problems in connection with beginning "reading" without text. Problems when using the text. Thought work, including expression, dramatics, etc. Mechanics, phonics, word study, drills, etc. List of best readers. (3) *Nature Study and Language:* Material for nature study. Methods of use as a foundation for the language work. Purpose of language in lower grades. Use of pictures, poems and stories in connection with the language work. Mechanics. (4) *Primary Numbers:* Methods early and modern. The teacher's guide in selecting and presenting materials. What and how? Use of objects, construction work, children's activities, drills, games, etc. (5) *Geography:* Its place in the primary schools. Life work and map work. Home or local geography. Outdoor and field lessons. Excursions to shops and other places of interest to give children an acquaintance with the occupations of people. Use of sand modeling, posters, stories, pictures, books, etc., in the teaching of primary geography.—Harris.

2. Industrial Art for Primary and Kindergarten Teachers. See Art, course 2.

3. Play Materials. 3 cr. Prerequisite, Elementary Instruction. Sum. and 2 sem. Activities of young children. Analysis of the common play materials

of children as a basis of determining the principles governing the selection and use of materials in the kindergarten. Large materials and apparatus found in progressive kindergartens as substitutes for the traditional material found in kindergarten and primary schools. Manipulation of materials. Methods of using materials.—Smith.

4. Kindergarten Plays and Games. 2 cr. Sum. and each sem. Prerequisite, Elementary Instruction. A study of the periods in a child's development; the instincts, impulses and natural play activities of each period. The significance of play as a factor in education; its relation to work. Types of games, rhythms and dramatics. Selection and adaptation of games for kindergarten and primary use. The actual playing of games.—McCullough.

5. Practice Teaching. See "Student Teaching, Prerequisites and Requirements," Part 1, General Catalogue.

6. Kindergarten and Primary Music Instruction. See Public-school Music, course 4*a*.

7. Supervision in the Primary School. 3 cr. Sum. 1922, 1924, and 2 sem. Prerequisite, Elementary Instruction, Primary Methods, and Practice Teaching 6 hours. An intensive study of methods of teaching a subject or a phase of work to be presented in the primary grades, for the purpose of instructing and assisting other primary teachers. Problems of supervisors in primary schools, including the kindergarten, giving particular attention to the reorganization of these departments in the light of advanced theory. Ways and means for a better and more effective relation between the kindergarten and primary. Furnishing and equipping classrooms for wholesome child life. Curriculums organized around children's projects and problems. Comparing and judging educational worth of school activities. The work includes constructive criticism; the observation of student teachers in the elementary training school; visiting the city schools; reading and comparison and selection of methods; an outline and an article representing line of special study.—Harris.

26. Period of Infancy. 3 cr. Sum. and 1 sem. Prerequisite, courses 1 and 3. An insight into child nature and its needs as a basis for kindergarten procedure or for the education of young children. Observation of children in kindergarten and home. Comparative study of contributions to the education of young children made by early educators. The Froebelian kindergarten and the kindergarten of to-day. Curriculums based on the "free activities of the children." Lower-primary, or the closer relation between the kindergarten and primary grades.—Harris.

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VOLUME I BULLETIN SERIES, MAY 1, 1922. No. 1, PT. 5.

KANSAS
STATE NORMAL SCHOOL
EMPORIA

GENERAL CATALOG
1922

PART 5—Directory

The General Catalog, 1922, is issued in five separate parts. Ask for them as needed:

Part 1—General Information.
Part 2—Announcement of Courses, 1922-'23.
Part 3—The School of Music.
Part 4—Roosevelt High School.
Part 5—Directory.

PRINTED BY KANSAS STATE PRINTING PLANT
B. P. WALKER, STATE PRINTER
TOPEKA 1922
9-4104

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VOLUME I. BULLETIN SERIES, MAY 1, 1922. NO. 1, PT. 5.

KANSAS STATE NORMAL SCHOOL

EMPORIA

GENERAL CATALOG 1922

PART V.—DIRECTORY, 1921-'22

PRINTED BY KANSAS STATE PRINTING PLANT
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Kansas State Normal School.

Kansas Counties Represented.

The following ninety-two counties were represented during the past year. As younger children make up the classes in the primary, intermediate and upper grades of the Elementary School and the Junior High School, the pupils listed there are largely from Emporia or from the immediate vicinity. Many students who are enrolled as from Emporia or Lyon county belong to families who are residing here temporarily for the purpose of educating their children.

Allen	63	Greeley	2	Ness	5
Anderson	58	Gray	11	Norton	5
Atchison	35	Greenwood	111	Osage	73
Barber	26	Hamilton	3	Osborne	24
Barton	22	Harper	30	Ottawa	20
Bourbon	9	Harvey	65	Pawnee	15
Brown	35	Hodgeman	3	Phillips	20
Butler	75	Jackson	42	Pottawatomie	24
Chase	44	Jefferson	42	Pratt	33
Chatauqua	9	Jewell	22	Reno	57
Cherokee	11	Johnson	44	Republic	27
Cheyenne	2	Kearny	4	Rice	29
Clark	12	Kingman	25	Riley	27
Clay	11	Kiowa	13	Rush	8
Cloud	15	Labette	12	Russell	3
Coffey	60	Lane	8	Saline	29
Comanche	3	Leavenworth	36	Scott	3
Cowley	33	Lincoln	5	Sedgwick	90
Crawford	5	Linn	18	Seward	1
Dickinson	47	Lyon	807	Shawnee	69
Doniphan	17	Marion	65	Smith	13
Douglas	45	Marshall	58	Stafford	39
Edwards	19	McPherson	42	Stanton	1
Elk	29	Meade	15	Stevens	5
Ellsworth	9	Miami	33	Sumner	40
Finney	13	Mitchell	19	Wabaunsee	63
Ford	23	Montgomery	36	Washington	24
Franklin	69	Morris	67	Wilson	61
Geary	7	Morton	2	Woodson	29
Graham	4	Nemaha	35	Wyandotte	44
Grant	2	Neosho	15		

Nonresidents of Kansas.

Arkansas	5	Nebraska	4	South Dakota	1
Colorado	4	New Mexico	1	Tennessee	1
Iowa	1	Ohio	1	Texas	2
Missouri	11	Oklahoma	15	Wisconsin	1

Roll of Students.

* Summer School only, 1921.

Graduate Students.

*Armstead, Lucile Hallie; Emporia.
*Baldwin, Edith Howell; Lyons.
*Blakely, Myrtle Eliza; Madison.
*Brooks, Edward Hamilton; Emporia.
Coleman, Edna Elvira; Emporia.
Cornell, Helen; Minneapolis.
*Dutton, Thelma; Emporia.
Ericson, Vernon Alexis; Wakefield.
*Fauley, Leon; Mount Hope.
*Geyer, Mrs. Lee Edward; Corning.
*Gordon, Leila Agnes; Holton.
*Griffith, Bernice; Emporia.
*Grimes, Edna Leone; Marion.
*Gufler, Augusta Agnes; Emporia.
Hall, Clifford; Emporia.
Hartman, Albert Leopold; Ozawkie.
Haynes, Carol Sentes; Emporia.
*Holmes, Ralph; Cheney.
*Howe, Charlotte Elizabeth; Emporia.
*Jackson, Mabel Laverne; Columbus.
*King, Adelaide; Junction City.
*Leichhardt, Cora Irene; Wichita.
*Leichhardt, Nelle Dora; Wichita.
*Lock, Lora May; Dallas, Tex.
*Lowther, Kathleen; Emporia.
*McHill, Carrie Belle; Colony.
*Mallary, Elsie Marie; Emporia.
*Mayberry, Mignon Louise; Emporia.
Nolte, Mrs. Adar May; Healy.
*Obrien, Nora Ellen; Wellington.
*Ogg, Theressa; Manhattan.
Palmer, Mildred Viola; Emporia.
*Phencie, Mary Kathleen; Tonganoxie.
Ptacek, Leo Dewey; Emporia.
*Rogers, Alice Inez; Emporia.
*Schrog, Adeline; Marion.
*Schulz, Liesa Jocobia; Hillsboro.
Stannard, Lillian May; Emporia.
Swan, Mary; Emporia.
*Warner, Minerva Belle; Cherryvale.
*Weide, Sara Esther; Yates Center.
*Widick, Irene; Emporia.
Wishard, Mary Elizabeth; Iola.

The College.

Students Given the Degree of Bachelor of Science in Education July 29, 1921.

*Akins, Flora May; Halstead.
*Allphin, Evelyn Verne; Pratt.
*Barton, Gertrude Lois; Pratt.
*Collins, Joseph Henry; Kansas City.
*Cook, Charles Ray; Rock Creek.
*Drury, Samuel Floyd; Toronto.
*Dulebohm, Irl Hicks; Emporia.
*Fast, Adelle Scheer; Kansas City.
Froom, Clara Maria; Vermillion.
Gilbert, Nelle Margaret; Osborne.
*Gist, Tippia Elizabeth; Bushong.
*Greer, Esther Wheeler; Marion.
Harvey, Cora Ethel; Toronto.
*Kappelmann, Otto Theodore; Palmer.
*Kell, Gertrude; Emporia.
Kelsey, Joseph Langley; Reading.
*McCartney, Mrs. Helen Marr; Attica.
*Mazon, Mae; Emporia.
*Nelson, Mary Bertina; Caldwell, Idaho.
Nolte, Mrs. Ada May; Healy.
*Pistorius, Grant Lewis; South Haven.
*Powell, Bessie Irene; Topeka.
*Pruett, Bertha Lee; Larned.
*Raymond, Paul Doney; Mont Ida.
*Rollow, Crystal Dorothy; Russell.
*Shuler, Fred Earl; Bucklin.
*Stark, Willis Orville; Emporia.
Ward, Inez Ethel; Le Roy.

Degree of Bachelor of Science in Education.

*Carter, William Paul; Howard; August 25, 1921.
*Duer, Myrtle; Zenith; August 25, 1921.
Finn, John Michael; Louisburg; October 7, 1921.
*Frazer, Samuel Theodore; Marion; August 29, 1921.
*Motes, Nora Estella; Scottsville; September 10, 1921.
*Rees, Edith King; Salina; August 25, 1921.
*Shippy, Lina Maria; Chapman; November 11, 1921.
*Weatherly, Albert Havernek; Coffeyville; September 15, 1921.
*Zimmerman, Mae Viola; Sterling; September 15, 1921.

Degree of Bachelor of Science in Commerce July 29, 1921.

Hukill, Edna Eula; Valley Falls.
*Ogg, Venice Myrtle; Manhattan.

Degree of Bachelor of Science in Education January 20, 1922.

Acker, Bertha Mae; Grenola.
Froom, Minnie Victoria; Vermillion.
Harris, Hazel Edith; Emporia.
Neis, Charles Peter; Hope.

Degree of Bachelor of Science in Commerce January 20, 1922.

Clark, Lottie May; Pratt.
Driskell, Otie Concurrence; Washington.
Meairs, Robin Pearl; Dodge City.
Rugg, Lee Charles; Emporia.

College Seniors.

Acker, Bertha Mae; Grenola.
Agrelius, Paul Kenneth; Emporia.
*Akins, Flora May; Halstead.
Allen, Eugene Clyde; Coffeyville.
*Allphin, Evelyn Verne; Pratt.
Andrews, John Donald; Emporia.
*Armstead, Clara Pearl; ————.
Balmer, Lydia Marie; Emporia.
Banta, Clarence Orval; La Harpe.
*Bare, Edna Marie; Protection.
*Barton, Gertrude Lois; Pratt.
*Bement, Mary Elizabeth; Winfield.
Berg, Ruth Marie; Emporia.
Bowman, Carl Andrew; Emporia.
Boyd, Grace Evelyn; Coffeyville.
*Brackett, Mary Josephine; Jewell.
Braden, Kathryn Myrtle; Derby.
Braden, Ruby Rachel; Derby.
*Bradley, Opaline Laoma; Parsons.
Briggs, Neta Irene; Emporia.
*Britton, Logan; Emporia.
Brown, Nellie Josephine; ————.
Bruce, Gladys Ellora; Emporia.
Byerly, Elizabeth; Fredonia.
Carbaugh, Freda Zona; Emporia.
*Carle, Rose Mary; Neosho Rapids.
*Carter, William Paul; Harveyville.
Clapp, Bess Gertrude; Emporia.
Clark, Lottie May; Pratt.
Cleaver, Lura La Verne; Emporia.
*Collins, Joseph Henry; Kansas City.
*Cook, Charles Ray; Rock Creek.
Cowan, Ruth Edna; Athol.
Cross, Florence Edna; Emporia.
Davidson, Phyllis; Columbus.
Davis, Mae LuElla; Winchester.
Day, Alice Henrietta; Allen.
Deakin, Ora Ethel; Guymore, Okla.
*Delander, Clara Evalina; Kinsley.
*Dent, Carl Everett; Council Grove.
Dent, Ellsworth Charles; Council Grove.
Dettmer, Edith Anna; Bushong.
Doering, Elsie Lizzie; Utopia.
Driskell, Otie Concurrence; Washington.
*Drury, Samuel Floyd; Utopia.
*Duer, Myrtle; Zenith.
*Dulebohm, Irl Hicks; Emporia.
Dunfiels, Homer Roy; Lebo.
*Dwelle, Alice Louise; Cedar Point.
Engle, Amos; Abilene.
Enns, Veola Lydian; Inman.
*Fairchild, Irene Emily; Wellsville.
Falls, Mary Leone; Valley Falls.
Farnsworth, Georgie Ruth; Blairstown, Mo.
*Fast, Emily Adelle; Kansas City.
Fawcett, Vera Ellen; Norton.
*Finkle, Bertha Hill, Mrs.; Emporia.
*Finkle, Guy Ernest; Emporia.
*Finn, John Michael; Paola.
*Finnerty, James; Hartford.
Fisher, Mary Josephine; Emporia.
*Flowers, Katherine Jefferson; Emporia.
*Focht, Ralph William; Emporia.
*Frazer, Samuel Theodore; Marion.
Friend, Susan; Emporia.
*Fry, Marguerite; Emporia.
*Garten, Meredith; Emporia.
Geesling, Edith; Turon.
Geyer, Lee Edmund; Wetmore.
Gilbert, Nellie Margaret; Osborne.
Gilmore, Edna Fidelia; Moran.
*Gist, Tippia; Bushong.
Graham, Bonnie Mildred; Wichita.
*Greer, Esther Wheeler; Marion.
*Hancock, Ella May; Emporia.
Harris, Hazel; Emporia.
Harris, Hilah Beth; Marion.
Hausam, Constance Effie; Emporia.
Hawkins, Kathryn Emmeline; Emporia.
Hill, Adele Elizabeth; Chapman.
*Hotham, Mary Louis; Lyndon.
*Howard, Harriett Elizabeth; Yates Center.
Howe, Mary Priscilla; Emporia.
*Hukill, Edna Eula; Valley Falls.
*Hunt, Virgil Evan; Saffordville.
James, Mrs. Belle Roberson; Emporia.
*Johnson, Charles Theodore; Emporia.
*Jones, Lloyd Meredith; Attica.
Jones, Minnie Catherine; Emporia.
*Kappelmann, Otto Theodore; Palmer.
*Kappelmann, Mrs. Zelda; Palmer.
*Kell, Gertrude; Emporia.
Kirby, Marquis Lafayette; Emporia.
Kirkner, Vera Lucile; Topeka.
Koontz, Lois; Emporia.
*Kunz, Homer Marion; Emporia.
*Kunz, Otto William; Emporia.
La Loge, Marguerite Mary; Emporia.
*Largent, Martha Mable; Emporia.
*Lehman, Adin Floyd; Humboldt.
*Lewis, Arthur Milton; Climax.
Lewis, Lucy Strong; Emporia.
Ludwig, Margaret Isabelle; Kansas City.
*McBride, Mary Frances; Emporia.
*McCartney, Mrs. Helen; Attica.
*McCaw, Myrtle Annette; Americus.
*McConnell, Edith Elenor; Council Grove.
McCord, Walter Ezra; Emporia.
McGahn, Lloyd Wesley; Burns.
McIntosh, Buell Elbert; Wilsey.
*Maxon, Mae; Emporia.
Mears, Robin Pearl; Dodge City.
Merrifield, Leonard McKinley; Kincaid.
*Mendel, Ruth; Emporia.
Miller, Edith Pearl; Council Grove.
*Moser, Karl V.; Hiawatha.
*Motes, Nora Estella; Scottsville.
*Munson, Willard Don; Emporia.
*Nanninga, Anna Laura; Emporia.
Neis, Charles Peter; Hope.
*Nelson, Mary Bertina; Caldwell.
Norlin, Minnie Alivin; McCracken.
*Ogg, Venice; Manhattan.
Owen, Jennie Small; Webber.
*Patterson, Howard Victor; Emporia.
*Paxton, Mildred; Emporia.
*Phelps, Olive Grace; Olathe.
*Pinson, Mabel Irene; ————.
*Pistoris, Grant Lewis; South Haven.
Pixley, Nora Estelle; Wamego.
*Powell, Bessie Irene; Topeka.
*Pruett, Bertha Lee; Larned.
Pyle, Lucian Robert; Emporia.
*Quick, Jessie Delena; Harveyville.
*Raymond, Paul Doney; Dunlap.
*Rees, Edith King; Salina.
*Rees, Irma Dereweny; Emporia.
Rickerd, Ruth Anna; Emporia.
Rinehart, Clarence Walter; Arkansas City.
*Riley, Albert Le Roy; Wellsville.
Roads, Hazel Marie; Kansas City.
Rodewald, Sophie Minnie; Halstead.
*Rollow, Crystal Dorothy; Russell.
Rugg, Lee Charles; Emporia.
*Sawyer, Alta May; Topeka.
*Seaman, W. Howard; Vermillion.
*Shankland, James Clifford; Argonia.
Shaw, Beulah Iona; Wamego.

COLLEGE SENIORS—*Concluded.*

*Shippy, Lina Maria; Chapman.
*Showers, Mary Ellen; Neosho Rapids.
*Shroyer, Lena Abigail; Newton.
*Shuler, Fred Earl; Bucklin.
*Smith, Grace Belle; Agra.
*Smith, Nina Mae; Emporia.
*Snyder, Clara Mae; Soldier.
Spencer, Raymond George; Emporia.
*Stark, Marion Franklin; Elk City.
*Stark, Willis Orville; Emporia.
*Stephenson, Ed.; Galena.
Strickler, Frank Ellis; Ransom.
Switzer, Ethel Gladys; Emporia.
Talbott, William Harold; Emporia.
*Teichgraeber, Florence; Emporia.
Thomas, Ina Wilhelmeta; Council Grove.
Thorne, Anna Eliza; Kinsley.
Trigg, Thomas Scott; Blue Mound.
*Walker, Lawrence Marion; Maize.
*Weatherly, Albert Havermeck; Emporia.
Weaver, Josephine; Topeka.
*Welch, Marion; Emporia.
Weston, Vesta Mary; Emporia.
White, Alma Elvira; Emporia.
Whitlow, Wayne Bevington; Moran.
*Wilcoxon, Myrtle Leone; Emporia.
*Wilks, Mabel Iva; Emporia.
Wolf, Harry De Merle; Haven.
Woolsey, Eva Alice; Emporia.
Yearout, Mabel Alys; Lyndon.
Young, Lloyd Percy; Moran.
Young, Sherman Kenneth; Eskridge.
*Zimmerman, Mae Viola; Sterling.

College Juniors.

Adam, Marjorie Maude; Emporia.
*Aldrich, Stella Turner; Topeka.
Alvord, Ilda; Emporia.
Anderson, Earle Thurston; Maize.
*Andrews, Grace Helen; Crete, Neb.
*Archer, Ethel Desdemona; Hiawatha.
*Armstrong, Eula Helen; Ottawa.
*Arnold, Iras; Emporia.
Austenfeld, Eleanor Dorothy; Emporia.
*Bacon, Pearle Marie; White City.
*Baker, Mrs. Bess Wynant; Emporia.
Baltz, Opal Alivina; Attica.
Bang, Reed Robinson; Emporia.
*Baptist, Myrna Ruth; Emporia.
*Beatty, Marie Elizabeth; Osawatomie.
Bell, Frederick Paul; Emporia.
*Bell, Mary Maurine; Emporia.
*Bement, Emma Belle; Winfield.
Bentz, Anna Verona; Peabody.
*Berg, Margaret Matilda; Emporia.
*Bishop, Verne; Emporia.
*Bitler, Ralph; Emporia.
Black, Marion Ralph; Emporia.
*Bollinger, Roy Frank; Tribune.
*Boss, Marcellus Graeme; Columbus.
Boyer, Nellie Seal; Emporia.
*Boynton, Thelma Lucille; Bird City.
*Bradley, Annie Grace; Halstead.
Bradley, Margaret Elizabeth; Parker.
Briner, Francis William; Oskaloosa.
Britton, Harry; Emporia.
*Broadus, Geraldine Hortense; Leavenworth.
Brown, Edwin John; Emporia.
Brown, Gertrude; Ottawa.
Brown, Shirley Arline; Emporia.
Bruce, Florence Estella; Emporia.
*Buckheim, Elsie Luella; Randolph.
*Burgard, Ruth; Leavenworth.
*Burk, Christina; Emporia.
Busby, Blanche Elizabeth; Atchison.
Chandler, Esther Cleveland; Atchison.
*Chapman, Cecil Dee; Glasco.
Chestnut, Mary Elizabeth; Kincaid.
Clark, Leland George; Buffalo.
Cline, Denzel Cecil; Isabel.
Cole, Anna Mabel; Topeka.
*Crawford, Carlos Clinton; Emporia.
*Crimm, Bernice; Council Grove.
*Cross, John Walker; Emporia.
*Crosswhite, Harry Elbert; Parker.
*Dary, Bernice; Kincaid.
*Davidson, Emmett Fred; St. John.
Davies, Clara Alice; Clay Center.
*Davies, Joseph Earl; McCune.
*Davis, Celia Leah; Newton.
*Davis, Edith Joyce; Arkansas City.
Davis, Eula Merle; Topeka.
*Davis, Helen Mae Phu; Cherryvale.
*Davis, Ruth Emma; Eudora.
Dean, Curtis DeVaughn; Marion.
*Dean, Earl Howard; Hamilton.
Detrich, Audrey Myrtle; Emporia.
*DeVore, Roxy; Winfield.
*Dimon, Charles Anthony; Emporia.
Dittmars, Thomas; Winfield.
Dodds, Clarence Magill; Welda.
Doering, Annie Mae; Utopia.
Drake, Russell Payson; Emporia.
*Dwyer, Sara Catherine; Topeka.
*Edgerton, Thomas Arthur; Humboldt.
*Edwards, Anne Howell; Lebo.
*Edwards, Lewis William; Kincaid.
*Englund, Peter William; Coolidge.
Erwin, Elizabeth Margaret; Belle Plaine.
*Fagan, Margaret; Reading.
*Falls, Olive; Altoona.
*Fengel, Vera Mae; Lost Springs.
*Fergus, Fanny Fern; Kincaid.
Finnerty, Anna Catherine; Hartford.
*Fisher, Florence Helen; Emporia.
*Fleming, Irene Elizabeth; Emporia.
Forrester, Nora Ella; Moline.
Freeman, Loura Leaetta; Simpson.
*Friend, Frances Lee; Emporia.
Froom, Esther Priscilla; Vermillion.
Froom, Minnie Victoria; Vermillion.
Fulmer, Alice Ione; Cherryvale.
*Fyler, Eleanor Ruth; La Crosse.
Galbraith, Claude Thomas; Emporia.
*Garringer, Florence Ferne; Mound Valley.
*Gerber, Grace Marie; Meriden.
*Godsey, Alice; Emporia.
Gordon, Clarence Alexander; Americus.
*Green, Verna Margueritte; Garnett.
*Greenlee, John James; Highland.
*Gunn, Grace Katherine; Great Bend.
Gurlter, Christina Susie; Centralia.
*Harclerode, John Elmer; Humboldt.
Hardy, Chloe Pearl; Blue Mound.
*Hargis, Mary Elizabeth; Fowler.
Harris, Herbert Dale; Maplehill.
Harvey, Reba Ruth; Emporia.
Hausam, Christine Margaret; Emporia.
Hausam, Clarice Lindley; Emporia.
Haworth, Ruth Verda; Leavenworth.
*Hayes, Frances Maude; Topeka.
*Haynes, Ruthe Antoinette; Topeka.
Heaton, Bertha Pauline; Emporia.
*Heaton, Jwelle Mairee; Emporia.
*Hess, Kathleen Garnet; Hutchinson.
Hilderbrand, Earna Leu; Cimarron.
*Hilton, Helen Elizabeth; Emporia.
Hilty, Rose Juanita; Johnson.
Holm, Vesta Edna; Newton.
*Hoyt, Maisie Agatha; Arkansas City.
*Hunsaker, Mary Ellen; St. Joseph.
Jacques, Eva Susan; Ensign.
*James, Pauline; Emporia.

COLLEGE JUNIORS—*Concluded.*

*James, Trellie Albert; Emporia.
Johnson, Claude Melvern; Emporia.
Johnson, Edith Fae; Tampa.
Johnson, Hazel Longshore; Emporia.
*Johnson, Helen Louise; Emporia.
*Johnson, Mary Elizabeth; Dwight.
*Jones, Albert Jerome; Yates Center.
*Jones, Bessie Craig; Emporia.
*Jones, Marvin Lee; Emporia.
Jordan, Lillie Margaret; Topeka.
Joseph, Myrtle Pearl; Sedgwick.
Kellerman, Mabel Margarita; Burlington.
*Kerr, David E.; Kansas City.
*Kincaid, Edna Leona; Barnes.
*Knoll, Veda L.; Severy.
*Kunz, Charlotte Ann; Emporia.
*Laird, Nellie Marie; Ottawa.
*Lancaster, Irma; Ottawa.
*Lewis, Mary Hattie; Wichita.
Lewis, Reese; Emporia.
Link, Alline; Emporia.
*Lloyd, Edith Dorothy; Emporia.
Lucas, Ruby Mary; Emporia.
*Lund, Katherine Beatrice; Alma.
McAuley, Joy Elkins; Americus.
McConnell, Nettie Ellen; Council Grove.
McIntire, Merle Margaret; Wichita.
Madden, Zana Marie; Hugoton.
*Maher, Ruth; Osawatomie.
*Malin, Viva Marie; St. John.
*Marley, Reta June; Wellsville.
*Marooney, Anna, Mrs.; Emporia.
Mayberry, James Willard; Emporia.
Merrifield, Leonard McKinney; Kincaid.
Meyer, Bertha May; Hiawatha.
Meyer, Mamie Matilda; Linn.
Michael, Eva Marie; Waverly.
*Mihn, Flora Leoba; Emporia.
*Miller, Lona Hortense; Emporia.
*Miller, Nora Etta; Harper.
Miller, Ruth Ina; Lyons.
Minner, Bertha Lorena; Soldier.
Monroe, Pauline; Emporia.
Moore, Gertrude Hewlett; Gardner.
*Morgan, David Ansel; Gardner.
Morrison, Eugenia; Canton.
*Morrison, Mable Brewer; Coffeyville.
*Morse, Caroline May; Emporia.
Mort, Mary Christine; Emporia.
*Moten, Orvetta Ruth; Topeka.
*Motes, Huldah Jane; Scottsville.
Myer, Ruth; Emporia.
*Negley, Kansas; Hutchinson.
*Newlon, Daisy Belle; Colony.
*Noyes, Matilda; Emporia.
O'Connor, Catherine Lauretta; Emporia.
Odell, Dorothy Payne; Topeka.
*Oliver, John Milton; Beloit.
*Owen, Mark H. C.; Williamsburg.
*Owens, Gertrude Mildred; Wichita.
Owsley, Eloise; Longford.
*Parker, Mary Ellen; Chanute.
Patterson, Genevieve; Barnes.
*Patton, Caroline Jarnes; Atchison.
*Payne, Myrtle Sara; Pomona.
*Peek, Zemira Ann; Downs.
*Peters, Margaret Alice; Emporia.
Phares, Earl Eugene; Burlington.
*Pokel, Nelda Ruth; Withee.
*Porter, Elma Belle; Mayetta.
Pringle, Roy Dean; Harveyville.
*Putman, Inez Josephine; Admire.
Quinn, Elizabeth Louise; Elwood.
*Ramy, Alfred Kirk; Eureka.
Randolph, Violet Clarinda; Fairview.
*Rector, Clara Marie; Emporia.
*Regier, Marie Johanna; Whitewater.
*Reynolds, Lois Lucille; Mildred.
Rich, Ora Everett; Centerville.
Richardson, Lillian Elizabeth; ———.
Riegle, Roy Wilford; St. John.
Ring, Elma Adina; Canton.
*Robinson, Cecile Marie; Topeka.
Rodewald, Anna Barbara; Halstead.
*Rose, Frederica; Dunlap.
*Roth, Mae Pearl; Bern.
*Rowe, Maurine Harriet; Le Roy.
Ryding, Nettie Amelia; Falun.
*Sawyer, Annabel; Topeka.
*Scott, Madelene Miriam; Topeka.
Seaman, Arthur Mayo; Axtell.
Self, Myrtle Grace; Cedar Point.
Sherer, Merritt Bertrand; Emporia.
Sherwood, Elizabeth; Grenola.
*Shippy, Elsie; Chapman.
Shirky, Louis Richard; Madison.
Sievers, Esther Elsye; Marion.
*Slack, Wilma; Iola.
Sloan, Ralph James; Zenda.
Smith, Annabel Lucile; Scott City.
*Smith, Elizabeth Burtis; Emporia.
*Smith, Emmett Marion; Horton.
*Smith, Georgia Frances; Emporia.
*Snyder, Bessie Mae; Logan.
*Sonnenberg, Ernest Richard; Council Grove.
*Sower, Granton Elbert; Elmo.
Sperling, Elizabeth Marie; Emporia.
*Stangle, Gladys; Elk City.
Stephenson, Anna Marie; Burlington.
Stevenson, Naida Zoelene; Ashland.
*Stewart, Mrs. Cassie Alone Burns; Lamar.
Stinson, Mary Ester; Carlyle.
*Stoner, Ruth; Lincoln.
*Stosz, Nora Sophia; Beattie.
Stout, Dale; Emporia.
Stout, Martha Delphine; Emporia.
*Summerbell, Faith; Ohio.
*Sutcliffe, Blanche; Altoona.
*Taylor, Bernice; Emporia.
*Thompson, Mildred Addison; Alma.
*Tilley, Adalene Patti; Emporia.
Trusler, Victor Thomas; ———.
VanVoorhis, Harvey; Kinsley.
*Vincent, Esther Wilan; Overbrook.
*Waldron, Mrs. Murie Osadore; Bucyrus.
*Wallace, LaVina Belle; White City.
*Watkins, Myron John; Emporia.
*Watts, Lewis Ellis; Emporia.
*Watts, Myrtle Nila; Burlington.
*Welch, Sarah Marie; White City.
Weldon, Henry Benjamine; Garden City.
*Wellborn, Cleda Hannah; Emporia.
*Wells, Laura Ellen; Emporia.
Wheeler, Ethel Louise; Marion.
Whitted, Agnes Christina; Derby.
*Williams, Zelma May; Soldier.
Wilson, Ruth Jeannette; Topeka.
*Wolf, Ollie Alice; Chanute.
Woodard, Mrs. Maurine McCabe; Emporia.
*Woodson, Ciara Blair; Emporia.
*Wyckoff, Alma Evelyn; Marysville.

College Sophomores.

Ablard, Abi Katherine; Kingman.
Abrams, Kenneth Ira; Emporia.
*Adams, Geneva Boswell; Saline.
Adamson, Virginia Mary; Erie.
Agrelius, Claire Tangeman; Emporia.
Allen, Helen Gertrude; Kansas City.
*Allis, Mamie; Virgil.
Anderson, Adda Harriet; Wellington.
*Anderson, Ethel Pearle; Plevna.
*Anderson, Florence Evelyn; Salina.
*Armstrong, Iva McDonald; Cherryvale.
*Arner, Ermine Katherine; Lane.

COLLEGE SOPHOMORES—*Continued.*

Arnold, George Wilson; Emporia.
Arnold, Lelia Lillian; Pratt.
Asher, Mrs. Cornelia Floyd; Paola.
*Augustine, Jane Ruth; Yates Center.
Austemfeld, Dorothea; Emporia.
Baker, Eunice Ann; Wichita.
Baldwin, Lewis Floyd; Lyons.
Ball, Helen Elizabeth; Kansas City.
Balthrop, Myrtle Maybelle; Kansas City.
Bane, Jennie Hayes; Darlow.
Barber, Ethyle Grace; Barnard.
Barber, Mabel Ann; Pleasanton.
Barber, Pearl Juniata; Beattie.
Barber, Victoria Clementine; Pleasanton.
Barker, Eva Mae; Topeka.
Barth, Anna Marion; Emporia.
Barthel, Daniel Frederick, Emporia.
Baty, Margaret Jane; Independence.
Bauer, Emilie Louise; Marion.
*Baughman, Esther; Reading.
*Baxter, Mary Hester; Fairmount.
*Beaver, Margaret Jane; Wellsville.
*Bechtel, Frida Elizabeth; Topeka.
Beck, Gladys Viola; Manhattan.
Beck, John Elliott; Greensburg.
*Becker, Ida Sarah; Emporia.
Benton, Ada Irene; Osage City.
Benton, Howard Cummings; Cimarron.
Betty, Willis Ralph; Emporia.
Betterly, Ruth Myrtle; Emporia.
Bevan, Lester Clifton; Lost Springs.
*Bever, Avis Marie; Sedan.
Bishop, Sarah Frances; Wichita.
*Black, Georgia; El Dorado.
Black, William Albert; Galena.
Bloomfield, Bertha Elizabeth; Winfield.
Blymm, Mable Lucille; Fredonia.
Bogle, Esther Beatrice; Council Grove.
*Bolton, Rebecca Lulu; Geneseo.
*Bonham, Velma; Stafford.
*Bonnell, Ruth Marie; Neodesha.
*Bonwell, Marjorie Virginia; Emporia.
Bonwell, William Alva; Emporia.
*Boyer, Beatrice Violet; Welda.
Boyle, Bertha Ellen; Burrton.
Boyles, Thomas Kille; Havensville.
Brace, Paul Hyrom; Moline.
Bracey, Fern Lois; Emporia.
Bradshaw, Rachel Gertrude; Topeka.
Bradshaw, Velam Fairy; Sedgwick.
*Braley, Anna Meldena; Horton.
*Brandt, Lola Barbara; Severy.
*Brazil, Stella; Eudora.
*Brecheisen, Esther Amelia; Eudora.
Brett, Ruth Helen; Ponca City, Okla.
Brickell, Helen Marie; Emporia.
Brickler, Eula; Wichita.
Briggs, Burton Claud; Emporia.
Briner, Enna Margaret; Oskaloosa.
Brogan, Hugh; Emporia.
Brogan, Whit Jones; Emporia.
*Brooks, Gertrude Austelia; Kansas City.
*Brown, Grace Cassandra; Kansas City.
Brown, Harold Nicholas; Clifton.
Browne, Edd Charles; McLouth.
*Brownfield, Mrs. Helen; Westmoreland.
*Bryant, Geraldine Imogene; Salina.
Bryant, Marjorie Edith; Haviland.
Buck, Eda Myrtle; Emporia.
Buck, Francis Edwin; Emporia.
Buenning, Arvel; Minneapolis.
Burdge, Eva Mae; Wichita.
Burns, Elsie Marie; Quenemo.
*Byrd, Pauline May; Emporia.
Caler, Blanche; Claflin.
Campbell, Myrtle May; Emporia.
*Carlson, Eleanora Helen; Maplehill.
*Carpenter, Faith Perl; Jewell.
Carroll, Ethel Randett; Independence.
*Carson, Gladys Lenore; Hamilton.
Carthrae, Faye Ethel; Coldwater.
Cavanaugh, William Joseph; Perry.
*Clark, Edna Etelhe; Topeka.
*Clark, Herschel Joseph; Perry.
Clark, Ruth Leta; Eskridge.
*Cleeton, Ivol Clair; Emporia.
Cleland, Esther; Emporia.
Clemens, Alice Marie; Emporia.
Clinkscale, Ninabelle Salene; Atchison.
Clow, Ruth Harriet; Emporia.
*Cobbs, Margaret Ruth; Horton.
*Cochran, Ida May; Hartford.
*Cook, Ruth Alice; Beloit.
*Cooper, Maggie Iola; Garnett.
*Copley, Irene Blanche; Sharon.
*Copeland, Gretta Louise; Severy.
*Counsell, Junita Roe; Garden City.
*Cox, Grace Evans, Mrs.; Leavenworth.
Cox, Virginia Grace; Emporia.
*Crilly, Orral Margaret; Galva.
Cross, Guy Payne; Reading.
*Culbreath, Aletta Mable; St. John.
Cunningham, Hazel Ann; Cheney.
Darby, Ruth Virginia; Emporia.
Dauner, Cyril John; Emporia.
Davis, Donald Reuben; Dodge City.
Davis, Esther Belle; White Water.
*Davis, Maude Theodosia; Hartford.
Davis, Mount Erwin; Douglass.
*Davis, Thelma Lucille; Council Grove.
Dawson, Winifred Eileen; Emporia.
Day, Glenn Webster; Selma.
*Day, Karl Samuel; Dwight.
Decker, Nel Marie; Oskaloosa.
*Deering, Flora Myrtle; Clements.
*Derby, Grace Rosalie; Lawrence.
Dey, Neva Nell; Newton.
Dickinson, Willetta Porter; Alamota.
*Dicker, Mary Alice; Lawrence.
Dillon, Franklin Lewis; Emporia.
Dillon, Mrs. Nelda Bramwell; Emporia.
Diver, Anne Margaret; Humboldt.
Diver, Ethel Reed; Humboldt.
*Dixon, Grace Sara; Leon.
Douglas, Jean Agnes; Cameron, Mo.
*Dowell, Margaret Eleanor; Hamlin.
Drury, Edna Louisa; Utopia.
Dryden, Maidia Elizabeth; Hoisington.
Duer, Orval John; Zenith.
Dumond, Esther Mae; Yates Center.
Dungan, Hildred Joyce; Sedan.
Dunn, Gladys Lillian; Humeston, Iowa.
Dwyer, Marie Marguerite; Edgerton.
*Eastman, Dorothy Mae; Matfield.
*Ecclefield, Mabel Fern; Welda.
Eckel, Merele Verna; Humboldt.
*Edgerton, Arthur Dixon; Humboldt.
Edwards, Marie Betty; Jewell City.
Eflin, Elmer Clarence; Moran.
Elcock, Harriet Ann; Wichita.
Elliott, Irene Winell; Pratt.
Ellis, Minnie May; Kingsdown.
*Evans, Ora Esther; Wellington.
Fagard, Mignon; Emporia.
Falls, Gwendolyn; Altoona.
Fancher, Wilma Gwendolyn; Burns.
Felt, Nelle Irene; Logan.
Fiehler, Freda Lena; Kansas City.
*Fishburn, Neva Lelia; Overbrook.
*Fisher, Emma Rebecca; Emporia.
*Fleming, Loma; Emporia.
Footit, Marguerite; Atchison.
Forrester, Ethel Lea; Moline.
*Foster, Martha Elizabeth; Cunningham.
Fox, Beatrice; Denver, Colo.
*Fox, Lena Kathleen; Olpe.

COLLEGE SOPHOMORES—*Continued.*

Frazier, Olen Todd; Selma.
Freeman, Frances Darlene; El Dorado.
French, Louis Gustavus; Williamsburg.
French, Nellie Inez; Emporia.
*Fruit, Edith Lorena; Gardner.
Fulkerson, Jennie May; Milton.
Garth, Carl Howard; Emporia.
Gault, Beulah Whitely; Abilene.
*Gavin, Lula Augusta; Emporia.
George, Lois Catlett; Halls Summit.
Giffin, Inez Ethel; Salina.
*Gilkerson, Elsie Margaret; Oneida.
Gist, Noel Pitts; Emporia.
Glover, Mary Claudia; Humboldt.
*Goddard, Florence; Minneapolis.
Godsey, Grace Alice.
Gorman, Marguerite Martha; Hartford.
*Graham, Ethel; Paola.
*Graham, Mary Ellis; Girard.
Grant, Eva Maybelle; Kansas City.
*Grant, Florence Malvina; Elk City.
Grant, Pansy Ura; Topeka.
Gray, Cora Viola; Isabel.
Gray, Ina Amelia; St. John.
Green, Edyna Mae; Emporia.
*Green, Hauser Grace Regina; Wellington.
Green, May Elizabeth; Hutchinson.
*Greene, Bessie Annette; Salina.
Haach, Theresa Marie; Florence.
Habecker, Irene Elizabeth; Enterprise.
Hale, Jewell Corrinne; Cherryvale.
Hale, Vivian Simmons; Cherryvale.
Hall, Carrie; Minneola.
Halverson, Anna Gunelia; Morganville.
Hamer, Kenneth Daniel; Hamilton.
Hamilton, William Harold; Geneseo.
Hammond, Hazel Etta; Courtland.
*Hancock, Faye Alice; Toronto.
*Handy, Doris Luella; Argonia.
*Hanson, Floyd Harvey; Earlton.
Harper, Margaret Belle; Marion.
Harper, Marguerite Velma; Jetmore.
Harris, William; Emporia.
*Harrod, Neva Belle; Ponca City, Okla.
Hassinger, Samuel Earl; Americus.
*Haupt, Edith Laura; Peabody.
Heaton, Thelma Jane; Atchison.
Hefner, Vesta; Yates Center.
Helm, Claire Marie; Chanute.
*Henderson, Ida Pauline; Neodesha.
*Herron, Viola Ferne; Quenemo.
*Hickman, John William; Fredonia.
*Higham, Edd; Kansas City, Mo.
*Hill, Wilma; Emporia.
*Hilyard, Edith; Severy.
*Hinkle, Mattie Margaret; Fredonia.
Hoefer, Elsie Liessetta; Emporia.
Holm, Alberta Maynard; Newton.
Holtfrerich, George; Dodge City.
Hostick, Elizabeth Virginia; Lebo.
Houser, Dan Warren; Howard.
Houston, Alta Ora; Potwin.
Howard, Lawrence; Emporia.
*Howard, William Sherman; Sylvia.
Hultquist, Ruth Elizabeth; Lindsborg.
Hume, Frieda Viola; Humboldt.
Humphrey, Sue Mabel; Emporia.
Hurst, Mildred; Belle Plaine.
*Hutchison, Ozeta Alice; Canton.
*Ingersoll, Everett Harold; Osage City.
Ingman, Grace Esther; Barnes.
Jacks, Jewell Elizabeth; Eudora.
Jackson, Lydia; Eureka Springs, Ark.
*Jackson, Vera Veronna; Lewis.
Jacoby, Floyd Nolan; Reading.
*James, Ava May; Welda.
Jefferson, Willie; Kansas City.
Jensen, Katherine Louise; Emporia.
*Johnson, Annie Marie; Alta Vista.
Johnson, Augusta Bersheba; Kansas City.
*Johnson, Ruth Marguerite; Ottawa.
Jones, Bernice Marie; Derby.
Jones, Ione Hazel; St. Joseph, Mo.
Jones, Marjorie Gertrude; Reading.
Jones, Onida Mable; Centerville.
*Jones, Opal Olga; Alton.
*Kanzig, Alvena Louise; Eudora.
*Kahn, Helen Caroline; Dwight.
Kell, John Hilton; Emporia.
*Keeley, Ethel Marjorie; Newton.
*Kennedy, Marion; Rock.
*Kenton, Florence June; Bonner Springs.
*Kerford, Carrie Smith; Atchison.
*Kinney, Iol Imogene; Cherryvale.
*Kirby, Ida Estella; Tonganoxie.
*Kirkpatrick, Mabelle; Eureka.
Kitchen, Mary Elizabeth; Emporia.
*Kneeland, Nina Electa; Allen.
Knox, Edith Martha; Hilltop.
*Koehler, Theodora Wilhelmina; Salina.
Kutnick, Paul Edwin; Moundridge.
*Landgraf, Anna Marie; Garden City.
*Lannagan, Edna Marie; Burlington.
Leavell, Eva Lois; Allen.
Lentz, Mrs. Edith Bolin; Arlington.
Leonard, Angela Regina; Wamego.
Leonard, Gertrude Estella; Alma.
Leslie, Eula Alden; Ashland.
*Lewis, Adelaide Mae; Emporia.
*Lieurance, Lonita; Iola.
Lindholm, Vera Ingeborg; Falun.
Lindsay, Mary Ethelyn; Perry.
Little, Harry Buhler; Council Grove.
*Little, Marguerite Elizabeth; Emporia.
Lloyd, Thomas Richard; Emporia.
Lloyd, Wilma Elaine; Emporia.
*Long, Daisy Evelyn; Kansas City.
Lund, John Edmund; Alma.
Lutz, Joseph; Olpe.
*Lyon, Esther Huntington; Emporia.
Lyons, Leonidas Jonas; Lyndon.
McAuley, Glee Mayre; Americus.
McCandless, Cecil Lois; St. John.
McCarter, Lela Estella; Emporia.
McCarter, Vena Pearl; Lewis.
McClure, Joseph Jefferson; Emporia.
*McCord, Pearl Irene; Elk City.
McCoy, Verne Louise; Allen.
McCracken, Loyd John; Augusta.
McCray, Alice; Moline.
McDonald, Alice Dorothy; Cherryvale.
McEntarfer, Wilma Hope; Eureka.
*McFatter, Caroline; Canadian, Tex.
*McGee, Lielard Harold; Emporia.
McGregor, Vera Beulah; Courtland.
McKee, John Demont; Emporia.
Mabes, Alvena Margaret; Paola.
Machmer, Mabel Irene; Chapman.
Maguire, Faye Marjorie; Little River.
Mahar, Janette Isabel; Emporia.
*Mager, Ruby Elizabeth; Osawatomie.
*Maloney, Mildred Margaret; Lawrence.
*Manley, Mae Irene; Emporia.
*Marcum, Lena; El Dorado.
Marsh, Cora Ethel; Bushong.
*Marsh, Mary Cassaday; Valley Falls.
*Marshall, Hazel; Emporia.
*Marshall, Lillian Flora; Wichita.
Martin, Leone Lee; Salina.
Martin, Lon Culp; Ottawa.
Mason, Marguerite Sarah; Emporia.
Mauck, Mrs. Meda; Emporia.
Maus, Pearl Marie; Auburn.
Maxwell, Lucille Christiana; Americus.
Meek, Mary Enid; Emporia.
*Miles, Nell; Garden City.

COLLEGE SOPHOMORES—*Continued.*

*Mills, Ida Dell; Tyro.
Minner, Bertha Lorena; Soldier.
Mirth, Dorothy Elizabeth; Emporia.
Monroe, Harriett Eloise; Hutchinson.
*Moon, Mary Hazel; Junction City.
*Moore, Mrs. Effie Lee; Emporia.
Morgan, Howard Thomas; Emporia.
*Morgan, Mable; Howard.
Morris, Alice Mary; Emporia.
Morris, Lottie Carle; Minneapolis.
*Moser, Celia Esther; Hiawatha.
*Mosley, Ira; Kiowa.
Mosley, Lois Kathryn; Le Roy.
*Mosley, Ruth Alice; Le Roy.
Mourning, Alpha; Kansas City.
Mudge, Ruth Ellen; Gridley.
Muir, Christina Elizabeth; Salina.
*Murray, Theresa Marie; Salina.
Myer, Maurice Bennett; Emporia.
Myer, Rosetta; Cherokee.
*Nanninga, Esther May; Leonardville.
Neff, Olive Pauline; Emporia.
Nelson, Florence Elizabeth; Garfield.
Nelson, Lillian Sophia; Garfield.
Nelson, Minnie Sophia; Garfield.
Nichols, Ira Leslie; Kincaid.
Nusbaum, Crystal Loree; Bern.
O'Brien, Inez Anna; Tescott.
O'Brien, Isa Louise; Tescott.
O'Connor, Genevieve; Emporia.
Ogden, Rosedell Bell; Coffeyville.
Oliver, Annie Lauretta; Leavenworth.
Oliver, Florence Margaret; Burlingame.
O'Loughlin, Jennie Rose; Lakin.
Oplinger, Hattie May; Jewell.
Osburn, Harriet Lurietia; Augusta.
Ott, Alberta Elizabeth; Olathe.
*Owen, Oscar Jeter; Elk City.
Packer, Lola Mae; Emporia.
*Paige, Lena May; Hutchinson.
*Paine, Edna Margaret; Burden.
Patrick, Ruth Beatrice; Oskaloosa.
*Payne, Cynthia Ethel; Howard.
Peach, Joseph Mackenson; Emporia.
Pearl, Molicia Ellen; Pratt.
*Peck, Alice Sherrard; Cameron, Mo.
Pelzel, Lillian; Harper.
*Perryman, Gladys; Arkansas City.
Petty, Mary Dean; Emporia.
*Pfleger, Esther Estella; Eudora.
Phelps, Kittie Mary; Olathe.
Pinnick, Rachel May; Fowler.
Ptacek, Rose; Emporia.
Ptacek, Ted; Emporia.
Puff, Gertrude Mary; Hartford.
Ramsey, Clara Alice; Geneseo.
Randolph, Helen Geals; Halstead.
Randolph, Robert Laurence; Emporia.
*Rankin, Mary Eva; Meriden.
Rayson, Flora Bell; Hamilton.
*Reddins, Anna Belle; Independence.
Rees, Decatur King; Minneapolis.
Reese, Donovan William; Kirwin.
Richards, Eva; Centerville.
Richardson, Wilam Jane; Lebo.
Ricker, Robert Bruce; Emporia.
*Ricketts, Mrs. Lulu Beam; Hutchinson.
Riddle, Caroline Louise; Emporia.
Riggs, Mae Edith; Cheney.
*Rink, James Hamilton; Ford.
Rishel, Glennie Mae; Newton.
Roberts, Keith; Emporia.
*Roberts, Gladys Eugenia; Dunlap.
Robinson, Florence Pha; Emporia.
Rogers, Edythe Blanche; Caney.
Ross, Marion Elizabeth; Emporia.
Ruggles, George Edgar; Altoona.
*Rundle, Gertrude Elizabeth; Junction City.
Rush, Edith Pauline; Great Bend.
Sauder, Ephraim; Madison.
*Savage, Edith Corinne; Springdale, Ark.
Scheuffler, Elias Eli; Great Bend.
Schmitt, Helen Ann; Moundridge.
Schock, Florence Esther; Morrill.
Schwilling, Margaret Caroline; Bazaar.
*Scofield, Mary Jane; Scranton.
Scruggs, John Henry; Kincaid.
*Seaman, Wallace MacDonald; Attica.
Seip, Ida Mae; Summerfield.
*Sellards, Dorothy May; Scranton.
Selves, Edith Grace; Clements.
*Shaftsburg, Agnes Faustine; St. John.
Shank, Winnie Maude; Emporia.
Shellenberger, Esther Clara; Allen.
Shockey, Pauline Merle; Sedgwick.
*Shoemaker, Irene Sara; Severy.
Shoemaker, Oral Elmer; Moran.
Shultz, Mrs. Anna Leverton; ————.
Sickler, Vera Beth; Emporia.
Sigler, Valda Grace; Norwich.
Sitton, Gladys Marie; Wichita.
*Singleton, Opal Anna; Toronto.
Sipes, Fern Marie; Great Bend.
*Sister, Eulala Doalan; Paola.
*Sister, M. Gertrude Stoermann; Paola.
*Sister, M. Michael Maloney; Paola.
*Small, Halsie May; Lebo.
Smethers, Julia Mae; Elmdale.
Smith, Eugenia Charlotte; Atchison.
Smith, Eva Pearl; Salina.
Smith, Helen Dailene; Emporia.
Smith, Lura Sylvia; Meade.
Smith, Marjorie Elizabeth; Emporia.
*Smythe, Blanche Marie; Salina.
Snow, Vivian Neoma; Emporia.
*Snyder, Jesse Elmer; St. John.
*Sower, Mac Estella; Elmo.
Sprout, Robert Noel; Belle Plaine.
*Stacy, Jeanette; Wichita.
Stark, Arzie Raymond; Emporia.
Steele, Mrs. Annabel Kirkpatrick; Iola.
*Stenger, Cassie; Council Grove.
*Steepe, Nadine Watson; Kansas City.
*Stewart, Beolah Helen; Baldwin.
Stewart, Cleyon Albert; Elmdale.
Stewart, Clint Houston; Elmdale.
Stoskopf, Helen Louise; Baxter Springs.
Stoskopf, Opal Nadine; Baxter Springs.
Stotts, Ferne Opal; Emporia.
Stranathan, Margaret Mynott; Wilsey.
Strange, Charles Eddy; Blue Rapids.
Sturges, Lelia May; Emporia.
*Sumner, Olive; Caney.
Supple, Helen Louise; Scranton.
*Swalander, Clara Charlotte; Canton.
Swarens, Opal Jane; Hutchinson.
Swart, Gladys Henryette; Yates Center.
*Taber, Ora Louise Wade; Maplehill.
*Taylor, Ferne Shirley; Emporia.
Taylor, Leslie Gardner; Emporia.
*Teichgraeber, Laura Emilie; Emporia.
Thomas, Bladys May; Emporia.
Thomas, Marjorie Lyon; Emporia.
Thomas, Ollie Charles; Effingham.
Thoren, Ida Amelia; Kinsley.
*Tidd, Ada Belle; Neosho Falls.
Trimble, Mrs. Ina Grace; La Harpe.
*Triplett, Dorothy; Emporia.
*Troll, Anna Irene; Emporia.
*Troll, Matilda Emily; Emporia.
Truax, Glenn Alva; Emporia.
Updegraff, Alice Sara; Maplehill.
Vandiver, Darthula; Kansas City.
Van Osdpl, Marvin; Pretty Prairie.
Van Voorhis, Harvey Clay; Bucklin.
*Van Winkle, Zeola Pauline; Leon.
*Veach, Millie Imogene; Haverhill.
*Vincent, Esther Sophronia; Nortonville.

COLLEGE SOPHOMORES—*Concluded.*

*Wahl, Ethel Mary; Independence.
*Wakefield, Pearl Mable; Leon.
Waln, Lillian Beatrice; Canton.
Wasmund, Marie; Sabetha.
*Watkins, Hazel Alice; Wichita.
*Waynick, Vaughnie Jean; Wellington.
Weaver, Beulah Faye; Dunlap.
Webber, Elizabeth Addie; Logan.
Welton, Iva Myrtle; Garden City.
*Welton, Ethyle Mae; Rantoul.
*Wentz, Beulah Eva; Burlington.
Wentzel, Clara Mary; Newton.
Weston, Eva Jane; Emporia.
*Whearty, Ethel Viola; Westmoreland.
White, Lucille Julia; Atchison.
Wilburn, Ora Lillian; Fort Smith, Ark.
*Wilcoxon, Hazele Elizabeth; Meriden.
*Wiley, Lodema; Fredonia.
*Williams, Roy Wesley; Arkansas City.
*Williamson, Ralph Elgin; Newton.
Willoughby, Will Warren; Coyville.
Wills, Myrtle Vivian; Topeka.
Willson, Alice Lester; Garnett.
*Wilmore, Myrtle Deborah; Emporia.
Wilson, Grace Dorothy; Centralia.
*Wilson, Herbert Frederick; Kansas City.
*Winkley, Grace Edith; Marion.
Wood, Helen Mar; Anthony.
Woodard, Irene; Wichita.
Woods, Nora Ellen; Wichita.
Woodson, Mary Cleora; Emporia.
Woody, Vivian Rozella; Rose Hill.
Wright, Bernice Dolores; Neosho Falls.
*Youngroot, Bertha; Osage City.

College Freshmen.

Acker, Laura Nelle; Grenola.
*Adams, Aletha Virginia; Everest.
*Adams, Edna Mayele; Carlyle.
Adams, Flossie Helen; Emporia.
Adams, Nola Eva; Thayer.
Adamson, Clarence Routh; Easton.
*Adkins, Elsie Maria; Toronto.
*Affalter, Helen Marie; Merriam.
*Ahrens, Dora Marie; Halstead.
Albin, Flora Naomi; Saffordville.
*Alderman, Hal; Lyons.
Alkers, Elizabeth; Atchison.
Allard, Ruth Anna; York.
*Allen, Elsie Ida; Emporia.
*Allen, Ina Belle; Manhattan.
*Allen, May; Gardner.
Allen, Virginia Margaret; Chanute.
*Allison, Blanche Irene; Great Bend.
*Allison, Helen Morton; Culver.
Allstott, Lois; Greensburg.
Amick, Grace Opal; Marion.
*Anderson, Aura Clifford; Wellington.
Anderson, Dorothy Thomson; Emporia.
*Anderson, Elnora Isabelle; Lone Star.
*Anderson, Esther Mae; Ottawa.
Anderson, Ethel May; Le Roy.
*Anderson, Eva Venetta; Stafford.
Anderson, Laurence Harmon; Eskridge.
Anderson, Robert; Alma.
Anderson, Ted Cryder; Rosalia.
*Anderson, Murrell Ellen; Independence, Mo.
*Anderson, Olga Christina; Ottawa.
*Anderson, Olive Elizabeth; Newton.
*Anderson, Ruth Caroline; Riley.
*Anderson, Twila Elva; Linwood.
Anderson, Julia Marie; Emporia.
*Andruss, Laura; Iola.
*Antrim, Ralph Walden; Spivey.
*Archer, Inez Virginia; Hiawatha.
*Armstrong, Carrie Isabelle; Willis.
*Arney, Mildred Edith; Kincaid.
Arnold, Iris Vienna; Toronto.
*Arnold, Lena Myrtle; Reading.
Arnold, Mark Winson; Toronto.
Asbury, Ethel Iowa; Kansas City.
Ash, Maudie Clara; Admire.
Asher, Ida May; St. John.
*Asklund, May; Osage City.
*Asmussen, Anna Dosky; Douglass.
Astle, William Pierce; Haven.
*Atkins, Ivalee Mae; Goff.
*Atkinson, Ethel Gladys; Anthony.
*Atwater, Helen Sarah; Great Bend.
*Ausherman, Aaron Benton; Delia.
*Averill, Lorie Alma; Wellsville.
***Averill, Ruth Josephine; Wellsville.**
*Aves, Edna Pearle; Fravel.
Babcock, Pearle Gladys; Emporia.
*Bache, Inger Andrea; Atchison.
Bacon, Leone Lera; Kingman.
*Bacon, Welma Ella; White City.
*Bagby, Helen Jean; Cummings.
*Bailey, Ruth Clarice; Circleville.
Baisinger, Alta Mae; Blue Mound.
*Baker, Breta Fern; Sabetha.
*Baker, Janette Williadine; De Soto.
*Baldridge, Pearle Ellen; Kincaid.
*Baldwin, Clair Charles; Belleville.
Ballard, Gertrude; Kansas City.
Bangs, Leona Almira; Madison.
Baringer, Leila Geneva; Lincoln.
Barksdale, Helen; Kansas City.
Barndt, George William; Garnett.
Barnett, Georgia Allen; Neodesha.
*Barnes, Edna Lillian; Milton.
*Barnes, Gertrude Cecil; Piedmont.
*Barnes, Laura Elizabeth; Greensburg.
*Barnes, Nellie Florence; Greensburg.
Barnett, Charles Edjeworth; Wellsville.
*Barnett, Gladys Frances; Leonardville.
*Barnhart, Carl Hodgman; Emporia.
*Barnhart, Edythe Viola; Belleville.
*Barnhart, Margaret Mariea; Emporia.
*Barr, Charle Wesley; Enterprise.
*Barrakman, Norva Louise; Humboldt.
*Barrett, Mrs. Ethel Ann; Downs.
*Barrett, Helen Heaton; Pratt.
*Barry, Goldie Irene; Meriden.
Barthel, Rachel Ernstina; Emporia.
Barton, Auretta Susan; Pretty Prairie.
*Barton, Lottie Clara; Cuba.
*Bass, Leta Irene; Topeka.
*Bassett, Emma Lou; Hartford.
*Baumgartner, Elma Faye; Ransom.
Baxter, Carter Wissiam; Auburn.
*Baxter, Neva Elmyra; Larned.
*Bazil, Bessie Marie; Waverly.
Beam, Lois Marie; Pratt.
*Beatty, Grace; Douglass.
*Beatty, Stanley; Manchester.
Beam, Lois Marie; Pratt.
Bechtel, Hazelle Wear; Emporia.
Beck, Verna Pauline; Byers.
*Becker, Thelma Maurine; Dunavant.
Beckett, Marde Ethel; Cheney.
*Behrens, Herman Daniel; Burns.
*Behrens, Lillian Bernice; Clearwater.
Bell, Muriel Hester; Isabel.
*Belscamper, Earl Blackburn; Neodesha.
*Belt, Emma Jane; Eskridge.
*Bentley, Aline Dimple; Kansas City.
Bentley, Iva; Courtland.
*Benton, Vera Leonora; Gridley.
*Bereiter, Freda Margaret; Lawrence.
*Bergin, Grace Anna; Holton.
*Bergsten, Helen Elizabeth; Cleburne.

COLLEGE FRESHMEN—*Continued.*

*Bergsten, Mildred Hazel; Randolph.
*Berkley, Irene Ellen; Hamlin.
*Bersie, Edith Florence; Utopia.
*Bert, Tena Lula; Detroit.
*Besseau, Jeanette Marie; St. Marys.
*Bever, Ellis Darwin; Sedan.
Bible, Daisy Ellen; Emporia.
*Bigbee, Gertrude Myers; Topeka.
Bigelow, Esther Belle; Gardner.
Bill, Charles; Dodge City.
*Bingham, Irma Mae; Blue Mound.
Bird, Alta Leverne; Emporia.
Bird, Charles Edhar; Emporia.
*Bird, Ruby Marguerite; Hope.
Bishop, Beatrice; Fowler.
Bishop, George Hugo; Roxbury.
Bishop, Mildred Lillian; Roxbury.
*Bixby, Howard Vernon; Rossville.
*Bixler, Alta Hubbart; Kingman.
*Black, Estella Ann; Galena.
Black, Helen Marcelline; Sterling.
Blair, Nada; Canton.
*Blankenship, Cecil Cleon; Rosalia.
*Blevins, Lulu Pearl; Burlington.
*Block, Jennie Elizabeth; Preston.
*Blue, Sallie Inskeep; Valley Falls.
Blunt, Bruce Kieth; Kincaid.
*Boggs, Edna Shearer; Beattie.
Bogue, Alva Jonothan; Manhattan.
*Bolinger, Nella; Bushton.
Bollen, Ruth Esther; Horton.
*Bommer, Reba Ellen; Oketo.
*Bonaly, Marie Anna; Leavenworth.
*Bonaly, Margaret Adda; Leavenworth.
*Bond, Margaret Olive; Emporia.
*Bonfield, Agnes; Elmo.
Bonham, Theresa; Cheney.
Bonnell, Clara Lucile; Severy.
Booher, Joseph Carter; Kincaid.
Books, Susie Pearl; Emporia.
*Booth, Beatrice Alta; Barclay.
*Booth, Carl Leon; Corning.
*Borman, Iva Marcella; Council Grove.
Borsdorf, Alice Mary; Admire.
*Boswell, Ella May; Piedmont.
*Bottorf, Arleen Reta; Formoso.
Bottorff, Gladys Isabell; Downs.
*Bowen, Claire Louretta; Lawrence.
*Bower, Leone; Olivet.
Bowers, Gertrude Alfaretta; Downs.
Bowers, Ruth; Neodesha.
*Bowman, Mary Catherine; Larned.
Bowman, Beulah May; Council Grove.
Boyce, Alice Jane; Carlton.
*Boyce Sara; Carlton.
*Boydston, Ray Elliot; Meriden.
*Boyer, Halcie; Welda.
*Boyle, Nellie Kathryn; Bennington.
*Brabb, Lucy Arline; Alta Vista.
*Bracewell, Beatrice Anna; Howard.
Brammell, Iva Mae; Ozawkie.
*Brassfield, Gladys; Edgerton.
*Brehm, Matilda Catherine Frances; Wichita.
Breising, Helen Margaret; White Water.
Brewster, Carol Veda; Topeka.
*Brian, Norma May; Derby.
*Bridges, Carol Freeland; Kincaid.
*Bridwell, Ethel Mary; Delphos.
*Brink, Alta Mae; Ford.
*Brinkley, Rowena Faye; Benedict.
*Brinkman, Mary Anna; Americus.
*Britting, Mary Midget; Augusta.
*Britton, Eva Mae; Richfield.
Broderson, Vada Marie; Burden.
*Bronte, Charlotte Addeline; Pratt.
Brooks, Clarence Adolphus; Liberal.
*Brooks, Daisy Maye; Meriden.
Brown, Anna Campbelle; Wichita.
*Brown, Bernice Florence; Holton.
Brown, Beulah Merle; Onaga.
Brown, Flo; Salina.
Brown, Floyd Samuel; McLouth.
*Brown, Genevieve Ruth; Woodbine.
*Brown, Ida Dora; Hillsdale.
Brown, Jessie Elizabeth; Independence.
Brown, Margaret Irene; Eskridge.
*Brown, Reina Olive; Lewis.
*Brown, Ruth Elvena; Courtland.
Brown, Ruth Marie; Wichita.
*Browne, Floyd Samuel; McLouth.
*Browne, Ino Florence; McLouth.
*Browning, Mary Estella; Hutchinson.
Bryan, Rosanna; Cimarron.
*Buchanan, Mary Anna; El Dorado.
*Budge, Edna; St. John.
*Budge, Margaret Franke; St. John.
*Bunch, Edith Frances; Strong City.
*Burdette, Hazel Marion; Herington.
*Burdick, Helen Inez; Talmage.
*Burgess, Amelia Estelle; Emmence.
*Burgess, Walter Ellis; Emporia.
Burnell, Margaret Lola; Derby.
*Burns, Alice Nora; Burdick.
*Burnside, Marguerie Johanna; Beattie.
Burroughs, Eva Shroyer; Miltonvale.
*Bushnell, Helen Margaret; Pomona.
Burton, Dorothy Alice; Parkerville.
Bush, Dessa Jane; Sylvia.
Bush, Mildred Lucile; Burlingame.
Butcher, Thomas Peck; Emporia.
Butler, Pheve Fern; Madison.
Butler, William Floyd; Marion.
*Button, Elva Maye; Rush Center.
*Byler, Blanche Irene; Hesston.
*Cain, Bertha Minnie; Burns.
Cain, Anona Elizabeth; Perry.
*Caldwell, Beryl Marie; McPherson.
*Caldwell, Vergie Mae; Formoso.
*Calkins, Edward Jesse; Salina.
Campbell, Arden Griffith; Emporia.
Campbell, Cora Francis; Emporia.
*Campbell, Flora Alice; Kirwin.
*Campbell, Winifred; Minneapolis.
*Cannon, Marie Velma; Sedgwick.
*Carey, Adelia Inez; Madison.
*Carey, Gladys Orvetta; Downs.
Carle, Clarence Vernon; Emporia.
*Carlin, Letta Sella; Hoyt.
*Carlman, Clarinda Olga; Augusta.
Carlson, Ester Matilda; Garfield.
*Carpenter, Ethel Estelle; Garden City.
Carpenter, Liberty Fanny; Council Grove.
*Carpenter, Garnet Elizabeth; Fredonia.
*Carr, Lola Gladys; Derby.
*Carrithers, Clara Marie; Anthony.
Carroll, Ralph Lealond; Earlton.
Carson, Clifford; Wellington.
Carson, Ernest Vernon; Emporia.
*Carson, Katherine Lola; Iola.
*Carson, Nora Ellen; White City.
Carter, Marie Nell; Emporia.
*Carter, Olive Myrtle; Howard.
*Carter, Vivian Anna; Peoria.
Cartmel, Mattiperl Jane; Emporia.
*Cary, Venus Myrtle; Florence.
Cary, William Webster; Emporia.
*Case, Gracia Jane; Wichita.
*Cast, Opal Lee; Carbondale.
*Castle, Hazel Margaret; Denison.
*Cawley, Mary Isabel; Valley Falls.
*Centgraf, Emma Mabel; Caldwell.
*Centgraf, Martha Margaret; Caldwell.
*Chandler, Edna Lea; Richmond.
*Chaney, Edna Laura; Elwood.
*Chaney, George Edward; St. John.
*Chaney, Ida Helen; White Water.
*Chapin, Alfred Victor; Allen.
Chartier, Reba Lyola; Hope.
*Chase, Flora Ruth; Severy.
*Chase, Rosilyn Vivian; Willis.

COLLEGE FRESHMEN—*Continued.*

Cheatham, Edith Evelyn; Bucklin.
Chestnut, Benjamine Franklin; Kincaid.
*Chilcote, Mable Fern; Fredonia.
*Chitty, Pearl Ina; Alta Vista.
*Christenson, Marguerite; Jamestown.
*Christner, Mabel Gladys; Great Bend.
Christopher, Margaret Adeline; Hazelton.
*Clapp, Lloyd Valentine; Hamilton.
Clark, Alice Luella; McLouth.
*Clark, Harriet Katherine; Valley Center.
*Clark, Mamie Abbey; Anthony.
Clark, Marguerite Gertrude; Clearwater.
*Clark, Thelma; Byers.
*Class, Darthla Nellie; Emporia.
Claxton, Florence Elizabeth; Lawrence.
Clayton, Laura May; Admire.
Cleeton, Nola Flosy; Emporia.
*Clevenger, Ferol Margie; La Harpe.
*Close, Flotella Mae; Belleville.
Clough, Frank Clarence; Emporia.
*Coburn, Gladys Lorena; Hartford.
*Coffman, Katherine; Scranton.
Colan, Mamie Bell; Rest.
*Cole, Glenn Cleaver; Dillon.
*Cole, Margaret Luella; Dunlap.
Cole, Mary Vernal; Humboldt.
*Coleman, Florence Elmina; Goddard.
*Collins, Edith Luella; Belleville.
*Colvin, Edgar Stevenson; Hamilton.
*Combs, Laura Maud; Burlington.
*Combs, Lizzie Patsy; Burlington.
*Combs, Rubie Ellen; Reserve.
*Comes, Josephine Awilda; Burrton.
*Congdon, Gladys; Burlington.
*Conner, Clara Eunice; Lafontaine.
*Conrad, Bessie; Burlington.
*Conrad, Mary Frances; Lincolnville.
*Constable, Grace; Minneapolis.
*Cook, Dorothy Mercedes; Kansas City.
*Cook, Helen Mildred; Rock Creek.
Cooper, Catherine Mary; Emporia.
*Cooper, Frances Mary; Macksville.
*Cooper, Naomi; Macksville.
*Cordts, Grace Frances; Overbrook.
*Corlett, Isabel Kathryn; Padonia.
*Correll, Nellie Marie; Rosalia.
*Corrigan, John Edward; Effingham.
*Cory, Bessie; Tonganoxie.
*Cory, Carrie Louise; Tonganoxie.
*Couchman, Mae Hazel; Garfield.
*Cougher, Mary Evelyn; Piedmont.
*Cougher, Ruth Annable; Piedmont.
Coulter, Edaline Mildred; Leon.
*Countryman, Hazel Marie; Formoso.
*Cousins, Myrtle Emma; Eskridge.
*Corell, Glee Norma; Peabody.
Coverdale, Cressie; Havensville.
*Cowdrey, Esther Evelyn; Dover.
Cowie, Martha Dixon; Kanopolis.
Cox, Clara Elizabeth; Emporia.
*Cox, Violet; Delia.
*Craft, Fern Ethel; Macksville.
Craft, Preston Worth; Republic.
*Craig, Christina Rosetta; Beattie.
Craig, Sara Dee; Melvern.
*Crandall, Faith; Corning.
*Crandall, Ruth Irene; Corning.
Crandall, Vera Faye; Little River.
Creager, Irene; Fredonia.
*Creevan, Hazel Mae; Leonardville.
*Cress, Luciel Doris; Clements.
*Cress, Merle Alice; Council Grove.
*Cress, Naomi Beulah; Horton.
Crockett, Harry Jennings; Burlington.
Croffot, Viola Pearl; Sabetha.
*Crosby, Lucile Zeda; Wichita.
*Cross, Lester Martin; Reading.
*Cross, Mabel Mildred; Reading.
*Crosswhite, Ora Byers; Parker.
*Crouch, Lora Alice; Redfield.
*Croyle, Grace Maxine; Richmond.
*Crum, Amelia Marie; Mulvane.
*Crum, Cleo Fay; Sedgwick.
*Crum, Leota Mae; Sedgwick.
*Crumrine, Eva Gladys; Buffalo.
*Cunningham, Mary Lewelling; Glasco.
*Curley, Eva Valeria; Bayard.
*Cushing, Maude; Kincaid.
*Cuthbertson, Mae Marie; Paola.
*Czarnowsky, Ina Emelia; Lincolnville.
*Dabney, Ora Christina; Damar.
*Dacy, Margaret May; Kiowa.
*Dakin, Alice Maude; Manchester.
Daly, Robert Jefferson; Quincy.
Danahy, Kittie Merle; Wellsville.
*Danielson, Gust Alfred; Scandia.
*Danner, Lorraine; Douglass.
*Darby, Marcella Zara; Labette.
*Darnes, Gladys Ruth; Ness City.
Davidson, Kenneth Wayne; St. John.
Davidson, Mary Ann; Linwood.
*Davis, Alma Elizabeth; Tonganoxie.
*Davis, Carrie Elvard; Delavan.
*Davis, Dorothy Mae; Delavan.
Davis, Hattie Colene; Dunlap.
Davis, Willa Mae; Salina.
*Davison, Lillian May; Carbondale.
*Dawson, Hazel Catherine; Olathe.
*Day, Dorothy Camelle; Madison.
Day, Margaret; Eskridge.
*Dealy, Lulanell Elizabeth; Haviland.
*Dean, Estal Neil; Gridley.
*Dean, Esther Cornelia; Hamilton.
*Deaver, Henrietta Olga; Cassoday.
*Deeble, Florence Edith; Emporia.
De Kalb, Mae Watson; Larned.
Delp, Marie; Burdett.
*Dempsey, Ethyl Hildred; Mankato.
Dent, Lucille Mable; Council Grove.
*Denton, Irene Hazel; Denton.
*Deshler, Lucy Gladys; Topeka.
Dettmer, Ira Gerhart; Bushong.
*Devier, Alice Marie; Fall River.
*Dewey, Lynn Milton; Le Roy.
*Dewey, Mary Alzada; Blue Rapids.
*De Witt, Maude Marena; Severy.
*Dexter, Miriam Lenore; Blue Rapids.
*Dickerson, Thelma Oletho; Benton.
*Dietrick, Edna Dorothy; Carbondale.
*Dietz, Elsie Sarah; Ionia.
Dilley, Annable Mary; Beattie.
*Dix, Dorothy Abigail; Herington.
Dixon, Judith Ann; Leon.
*Dobbins, Florence Ellen; Lane.
Dobbins, Gladys Rebecca; Preston.
*Doebele, Gertrude Eleanora; Hanover.
*Donda, Wilbur; Wellsville.
Donelson, Wilby Lawrence; Emporia.
Donley, Margaret Belle; Oxford.
Dooley, Laura Mary; Newton.
Doran, Alice May; Macksville.
*Doty, Mabel; Reading.
*Downey, Alma Gayle; Morrill.
*Downing, Blanche; Little River.
*Doyle, Ruby Mae; Garden Plain.
*Doze, Edithe Mae; Norwich.
*Drake, Mabel Eileen; Corbin.
Drebing, Mildred May; Topeka.
*Drum, Mary Theresa; Westphalia.
Duby, Charles Harold; Elk City.
*Duck, Edna Belle; Wellington.
Duer, Clara Irene; Zenith.
*Duer, Joseph Warren; Zenith.
*Duggins, Nelle Rose; Olathe.
Dumbauld, Cypha Elizabeth; Emporia.
Dumond, Ethel Lorene; Buffalo.
*Duncan, Avis Ernesten; Winchester.
*Duncan, Josephine; Iola.

COLLEGE FRESHMEN—*Continued.*

*Duncan, Marie Patricia; Girard.
*Dunkle, Lora Naomi; Summerfield.
*Dunn, Wilbert; Abbyville.
Dunning, Robert Charles; Kansas City.
*Dunston, Gladys Edna; Formoso.
*Durham, Helen Felecia; Toronto.
Durham, John; Toronto.
Durham, Lola Elizabeth; Hudson.
Dusch, Mary Wilhelmena; Hanover.
Dyerly, Harold Hubert; Pratt.
*Earlywine, Ethel Stella; Wilsey.
*Eastman, Elizabeth; Grenola.
Ecclefield, William Bert; Welda.
*Edkart, Cecilia Christina; Humboldt.
*Edkel, Merele Verna; Leon.
Edgerton, Harold Asahel; Humboldt.
*Edmiston, Creigh; Benton.
Edmonds, Effie Marie; Athol.
Edmonds, Mabel Ermal; Athol.
Edwards, Mabel (Jim); Hamilton.
Edwards, Marjorie; Emporia.
*Edwards, Viola Fern; Hamilton.
Eggleston, Bessie Lois; Kansas City.
*Ehart, Katharine; Elizabeth; Easton.
*Ekblad, Emma Wilhelmina; Walsburg.
Elbert, Maude Angela; Wichita.
Elder, Allie Elizabeth; Linwood.
*Elder, Rebecca Maude; Beloit.
*Elem, Matilda Margaret; Burrton.
Elgin, Agness Houston; Hazelton.
*Eliot, Addie Maurine; Monrovia.
Ellenberger, Henry John; Emporia.
Ellington, Thelma Junita; Lawrence.
*Ellis, Bernadine Marie; Douglass.
*Ellis, Charles James; Douglass.
*Ellis, Fred Nance; Douglass.
*Ellis, Ida Clarice; Garden City.
Ellis, Olive Irene; Emporia.
*Elrod, Beatrice; Lafontaine.
*Elrod, Dorothy Fay; Thayer.
*Emick, Pearl Irene; Miltonvale.
*Emrick, Edith Josephine; Belleville.
*Emrick, Ethel; Belleville.
*England, Julia Thomas; Greensburg.
*Engleholm, Redicia Clarena; Topeka.
*Englund, Mrs. Lucy Miller; Coolidge.
*Entz, Jane; White Water.
*Errett, Gl.nora; Edgerton.
Eubank, Joel Peter; Cullison.
*Eubank, Robert E. Lee; Cullison.
Evans, Alta Grace; Kinsley.
*Evans, Laura Irena; Burden.
*Evans, Mildred Irene; Jewell.
*Evans, Lucille Frances; Lebo.
*Eye, Florence May; Ottawa.
*Fahrney, Charley Emery; Sterling.
Fairchild, Eunice Marie; Wellsville.
*Fanning, Anna Sara; Waverly.
Farber, Edna Marie; Halstead.
*Farrell, Izola Marie; Tonganoxie.
*Fauerbach, Blanche Ellen; Maplehill.
Faulkner, Sallie; Fort Scott.
*Fearey, Alta May; Anness.
*Fee, Mary; Stafford.
*Fellows, Zela Ann; Barnes.
*Feltner, Alpha Florence; Ford.
*Felts, Ralph Adolphus; Willis.
Fent, Ona; Cottonwood Falls.
*Ferguson, Aura Pauline; Colony.
*Fesler, Erna Loraine; Arkansas City.
*Fevurly, Grover Fay; Easton.
*Fiehler, Genevieve Florence; Le Loup.
*Finch, Ada Jane; Thayer.
Fink, Marie Gertrude; Downs.
*Finkle, Vivian Aileen; Galva.
*Finney, Laura Leona; Council Grove.
Finney, Stella Marie; Niotaze.
*Fisher, Edith Emily; Reading.
*Fisher, Lelah Eleanor; Kirwin.
*Fisher, Flossie Marie; Soldier.
*Fitzgerald, Glenn Le Roy; Wichita.
*Fitzgerald, Mary Frances; Beattie.
Fitzpatrick, Anna Dorothy; Danville.
*Fleeker, Esther Mahala; Emporia.
Fleming, Esther Marion; Summerfield.
*Fleming, Verla Mae; Lyndon.
*Flint, Freda Viola; Humboldt.
*Florence, Hazel Sarah; Manhattan.
*Floyd, Sallie Victoria; Topeka.
Fluhart, Margery Baxter; Hutchinson.
*Flummer, Alma Miller; Climax.
*Flummer, Myron Jarus; Climax.
Focht, Lloyd DeWyre; Emporia.
*Focht, Frances; Altoona.
*Foltz, Myrtle Grace; Topeka.
*Foote, Alma Vernea; Hutchinson.
*Ford, Delma Lois; Harris.
*Ford, Etta Julia; Lindsey.
Ford, Leila Marie; Bradford.
Ford, Ruth Jane; Linwood.
Forrester, Edith Irene; Moline.
Forsythe, Kathleen Jane; Osage City.
*Fosdick, Minnie Minerva; Miltonvale.
*Foshay, Ruth Helen; Overbrook.
*Foster, Anna Mae; Hamilton.
*Foster, Ethel; Cheney.
*Foster, Ivie Gladys; Alta Vista.
*Fountain, Frank Fremont; Emporia.
Fowler, Beulah Fay; Emporia.
*Frail, Audrey Priscilla; Abilene.
*Frakes, Hazel; Atlanta.
Franklin, Clarence; Huron.
*Fredricey, Rhoda Casandria; Holton.
*Freeland, Eleanor America; Horton.
Freeland, Gladys Irene; Horton.
*Freeman, Frances Irene; Phillipsburg.
*Freeman, Grace Magdalene; El Dorado.
*Freeman, Hazel Del; De Soto.
*Freeman, Helen Ann; Tonganoxie.
*Freeman, Lilah Isabelle; El Dorado.
*Freeman, Ruth Elizabeth; Phillipsburg.
Brench, Dorothy Alice; Wichita.
French, Eva May; Emporia.
*French, Laona Horn; Williamsburg.
Frick, Lydia; Durham.
*Fridley, Pearl; Wamego.
*Friend, Leah Frances; Spivey.
Frisbie, Arthur Elliott; Mound City.
*Fritze, Selma Emma; Strong City.
Froom, Clara Maria; Vermillion.
Frost, Dollie Mae; Emporia.
*Fry, Mabel Anna; Wellsville.
Fuhlhage, Bertha Oleve; Toronto.
*Funke, Amelia Helen; Burns.
*Furst, Ralph Henry; Corning.
Gabbert, Bernetta Irene; Bancroft.
*Gaddie, Bessie Myrtle; Sharon.
*Gaffney, Serena Alvina; Hamilton.
*Gager, Jennie Doris; Thayer.
*Gagnebin, Josephine Janes; Abbeyville.
*Gallagher, Edith; St. Joseph.
*Galbraith, Anna Sullivant; White City.
Galloway, Nellie May; Council Grove.
Galutia, Leona Susan; Osage City.
*Gamble, Goldie Matilda; Montezuma.
*Gardner, Erma Sarah; Hartford.
Gardner, Evelyn; Scott City.
*Garnett, Lettie Faye; Emporia.
Garrett, Randall; Hoisington.
*Garrison, Birdie Elva; Anthony.
Garrison, Cora Mae; Selma.
*Garvey, Elizabeth Irene; Le Roy.
Garvin, Artis Marie; Lawrence.
*Gates, Clara Belle; Mankato.
*Gebhart, Lola Gertrude; Ellsworth.
*Geer, Freda Dena; Hoisington.
*Gehring, Dwight William; Emporia.
*Geiger, Florence Marie; Everest.

COLLEGE FRESHMEN—*Continued.*

*George, Eva Pearl; Neodesha.
*George, Mary Doleska; Guymon.
*Geraghty, Elizabeth Maude; Reading.
Gibb, Lucile Jennie; Elmdale.
*Gibbons, Mariel Druzella; Hutchinson.
*Gibbs, Donald Delavan; Chanute.
Gifford, Ella Maude; Emporia.
Gilbert, Gladys; Osborne.
*Gilbert, Iva June; Lincolnville.
*Gilbert, Lois Naomi; Liberal.
Gilbert, Otis Charles; Arkansas City.
*Giles, Hazel Mae; Beattie.
*Gilley, Dean; Kinsley.
*Gilliand, Howard Kennedy; Lyndon.
Gillis, Phyllis Evangeline; Emporia.
*Gillmore, Vera Velatt; La Crosse.
Ginder, Oneita Helena; Kiowa.
*Gingrich, Mildred Emile; Wellsville.
Girard, Elma Anne; Morganville.
*Girtch, Ethel Caroline; White City.
*Glancey, Dorothy Maye; Benton.
*Glasscock, Vilma Mildred; Parkerville.
*Glayze, Mattie Ellen; Boley.
Gleason, Alice Esther; Alta Vista.
Gleason, Merrill Edgar; Alta Vista.
*Glenn, Carrie Mae; Hill City.
*Glenn, Dorothy Frances; Lincoln.
Goldsmith, Hester Yoder; Cheney.
*Good, Ruby Marguerite; Cawker City.
*Gordon, Nora Marie; Raymond.
*Gorman, Mary Teressa; Hartford.
*Goss, Virginia; Osage City.
*Graber, Anna Susanna; Turon.
Graff, Josie; Beloit.
*Graham, Inah May; Howard.
*Graeber, Mary Elizabeth; Macksville.
*Grannell, Ethel Mary; Netawaka.
*Granstrom, Mildred Carolyn; Osage City.
*Grant, Mabel Isla; Neodesha.
*Grantham, Esther; Hiawatha.
*Graves, Bertha Christina; Marion.
*Graves, Edna Ellen; Dunlap.
Graves, Fern; Harper.
*Gray, Catherine Alice; Muscotah.
*Gray, Leona Virginia; Iola.
*Gray, Mary Louise; Bendena.
Green, Alma Day; Emporia.
*Greene, Bertha Mae; Fort Smith, Ark.
*Gregg, Gladys Mae; Little River.
*Griffis, Virginia Mae; Bigelow.
*Griffiths, Gladys Marie; Hartford.
Grimsley, Waunetta Nelle; Allen.
*Grimsley, Vida Kathlyn; Viola.
Grimell, Florence Marguerite; Americus.
*Griswold, Florence Isabelle; Tecumseh.
Groff, Josie Anne; Beloit.
Gross, Frank Michael; Denver, Colo.
*Grossardt, Frieda Mae; Claflin.
*Grubbs, Faye; Burrton.
Guffy, Hope Lela; Peidmont.
*Guidren, Florence Katherine; Bushton.
Gunkle, Pearl Edith; Emporia.
*Gurtler, Sophia Anna; Beattie.
Gustafson, Hilda; Bloom.
Gutman, Ida Belle; Hamilton.
*Haas, Esther Marie; Allen.
*Hackett, Emma Lucretia; Mildred.
*Hadley, Hazel Bolin; El Dorado.
Haegel, Esther Loretta; Smith Center.
Hagerman, Rosa; Chanute.
*Hagler, Ruby Belle; Salina.
*Hahn, Freda Carolina; Osawatomie.
Hainline, Vanna Maude; Macksville.
*Haisley, Bessie Ann; Osawatomie.
*Halberstadt, Esther Marian; Delphos.
*Halbert, Helen Adelaide; Chapman.
*Hale Freda; Burrton.
*Hall, Lula Marie; South Haven.
Hall, Mary Olive; New Albany.
*Hall, Minnie Lauretta; Hoyt.
Hallenbeck, Zora Zeph; Waverly.
Haller, Elizabeth Ann; Burlingame.
*Haller, Sarah Charlotte; Admire.
*Halleth, Mary; Rush Center.
*Hallock, Laura Catherine; Severy.
Hamilton, Estie Sulton; Wichita.
*Hamilton, Gladys Marie; Agra.
*Hamilton, Grace Annabel; Agra.
Hamilton, Sadie Junaita; Pratt.
*Hamilton, Irene Nina; Williamsburg.
*Hamilton, Margaret Ada; Neal.
*Hamilton, Mary Jane; White Water.
*Hamm, Eunice Lucile; Grantville.
Hammer, Opal Laurine; Piedmont.
Hammond, Rosa Ella; Courtland.
Hampton, Clara; Fredonia.
*Hampton, Nelle; White Water.
*Hancock, Alta May; Esbon.
*Hand, Elida May; Clay Center.
Handley, Beth Naomi; Ponca City, Okla.
Hanna, Finis; Emporia.
*Hanna, Genevieve Ellen; Newton.
Hanna, Josephine Thayer; Nevada, Mo.
*Hansen, Mabel Heline; Turon.
*Hansen, Theo. Iobe; Caney.
*Hanson, Leona Marie; Emporia.
*Harbour, Bessie Lela; Elk City.
*Harder, Louise Lillian; Dunlap.
*Hardin, Nellie; Hardtner.
*Hargis, Emma Viola; Fowler.
*Harmon, Lillian Vale; Lansing.
Harms, Marie Loraine; White Water.
Harner, Olive Lucile; Fowler.
*Harper, Elizabeth Eva; Vernon.
Harper, Lois Laverne; Ponca City.
Harrington, Raymond Daniel; Buffalo.
*Harris, Bessie Arline; Ottawa.
Harris, Zera Elizabeth; Havensville.
Hart, Olive Thelma; Leon.
*Harrison, Wilma Loree; Bern.
*Hart, Olive Thelma; Leon.
*Hart, Thelma Lurella; Hiawatha.
*Hartshorn, Marie Esther; Logan.
*Hartwick, Alta Pauline; Athol.
*Harvey, Frances Cameron; Osawatomie.
*Harvey, Margaret Elizabeth; Osawatomie.
*Hash, Blanche; White Water.
*Hashbarger, Eunice Dee; Kincaid.
Hassler, Violet Marie; Chapman.
Hatfield, Everett Paul; Belle Plaine.
*Hatfield, Lawrence David; Belle Plaine.
*Hatfield, Rubie Helen; Kinsley.
Hauck, Ruth Elizabeth; Valley Falls.
*Hawes, Ada Bell; Belpre.
Hawk, Stanley William; Beattie.
*Hawk, Virginia Jeanette; Beattie.
Hawley, Charles Lester; Garnett.
*Haws, Gladys Naomi; McPherson.
*Hawthorne, Junae Vinita; McPherson.
*Hay, Ella Blanche; Wellsville.
*Hayden, Alice May; Gardner.
Hayden, Harold; Elmdale.
Hayden, Merle Martin; Elmdale.
*Haynes, Alberta Lucile; Sedgwick.
*Hayward, Blanche Bessie; Pratt.
*Heckman, Dora Amelia; Denton.
*Hedges, Feroll Montgomery; Galena.
Hedinger, Florence Kitty; Canton.
Hefling, Helen; Burrton.
Hege, Hulda Christine; Sedgwick.
Hegwood, Katie Maeritta; Kansas City.
*Heikes, Esther Mae; Riley.
*Heinselman; Blanche Agnes; Kinsley.
*Heinze, Violetta; Lehigh.
*Heise, Helen Charlotte; Topeka.
*Heleker, Christine Louise; Beattie.
Helgerson, Carl Martin; Galva.

COLLEGE FRESHMEN—*Continued.*

Helm, Inez Marie; Chanute.
Heltemes, Ruth Slaughter; Hoisington.
*Hempel, Charlotte Gertrude; Williamsburg.
*Hemphill, Velma; Chanute.
*Henderson, Adelia Florence; Beloit.
Henderson, Cornelia Lois; Emporia.
*Henderson, Dorothy Lydia; Lawrence.
*Henderson, Gladys Welton; Lane.
Henderson, Sylvia Murrel; Eskridge.
*Henley, Lela Emma; Pawnee Station.
Hensley, George Gerald; Emporia.
Hensley, Ruth Grant; Emporia.
*Henson, Rose Lawrence; Overland.
*Heron, Adele Branagun; Burns.
Herschell, Gladys Isabella; Topeka.
Hertlein, Elizabeth May; Wilsey.
*Hess, Myrtle Marie; Denton.
*Hesser, Helen Irene; Alta Vista.
*Hetherington, Mary Alice; Emporia.
*Hetrick, Lena Faye; Lewis.
Hettick, Lois Mary; Quenemo.
Hevener, Mabel; Harris.
Hex, Eulah May; Wichita.
*Hey, Helen Frances; Edgerton.
Hey, Irene Katheryn; Edgerton.
*Heywood, Grace Almeda; Bennington.
*Hiatt, Lola Mae; Munden.
*Hickerson, Hazel Estella; Annelly.
*Hickman, Hazel May; Mildred.
*Higdon, Letta Mae; Richmond.
*Higgins, Mildred Elizabeth; Iola.
*Hilbert, Bessie Ruth; Floral.
Hildinger, Irene Ruth; Marquette.
Hill, Ardis Violet; Emporia.
*Hill, Minnie Aiken; Hope.
*Hill, Olive Qella; Fowler.
*Hill, Pearl Augusta; Burlington.
Hill, Victor Hearld; Galva.
Hiller, Golda Malone; Lewis.
*Hiller, Lois Marie; Topeka.
*Hiller, Margaret Pansy; Topeka.
Hiller, Veda Ellen; Lewis.
*Hillman, Essie Manila; Hamilton.
*Hillman, Vergie Marie; Hamilton.
*Hilyard, Lora Valentine; Reece.
*Hinricks, Gail Etta; Randolph.
Hinshaw, Elba Mabel; Emporia.
Hinze, Valma Alma; Emporia.
Hinze, Velma Leora; Emporia.
Hinshaw, Elba Mabel; Emporia.
*Hisey, Blanche; Morland.
*Hiskett, Irene; Isabel.
*Hitchner, Winifred Marine; Centralia.
*Hite, Elsie Louise; Mildred.
*Hite, Lucile; Mildred.
*Hixon, Elsie May; Berryton.
Hoatson, Vera Marion; Emporia.
Hodges, Elmer Essley; Marysville.
*Hodger, Ralph Raymond; Hutchinson.
*Hoffner, Edythe; St. John.
*Hofneier, Karl Alexander; Inman.
*Hogan, Ralph Waldo; Madison.
Hogle, Virgie Loaina; Vermillion.
*Hoke, Mary Josephine; Hazelton.
*Holcombe, Lucile; Topeka.
Holliday, Helen Agnes; Severy.
*Holliday, Meryl Margaret; Severy.
*Holman, Hazel Lillian; Alta Vista.
*Holston, Florence Pearl; Topeka.
*Hood, Helen Elizabeth; Madison.
*Hood, Margaret Meill; Madison.
*Hoover, Lila Belle; Augusta.
*Hoover, Lucille Hester; Morrill.
*Hoppe, Mary Evelyn; Goddard.
*Horton, Lora Elma; Ponca City, Okla.
*Hottell, Marion Ray; Hutchinson.
Hottenstein, Estella Lois; Humboldt.
*Houmsom, Mary Elizabeth; Topeka.
Hovious, Grace Madge; Hartford.
*Howard, Eunice Emily; Macksville.
*Howard, Frey Mildred; Anthony.
*Howes, Neva Edith; Whiting.
*Hubbard, Pearl Ziegler; Fredonia.
Huckstep, James Freeman; Lewis.
*Huckstep, Lottie; Lewis.
*Hudson, Elizabeth Viola; Garfield.
*Hudson, Hazel Marie; Girard.
Hudson, Mildred Loneta; Kansas City.
Huebert, Elizabeth Charlotte; Halstead.
*Huey, Mrs. Irene Oakleaf; Topeka.
*Huff, Laura Matilda; Byers.
Huffman, Faye; Emporia.
*Hughes, Ella; Ashland.
*Hughey, Jennie Marie; ————.
*Hulse, Inez Vera; Conway.
Humphry, LaVerna Norance; Emporia.
*Hunsinger, Opal Kathryn; Moscow.
*Hunt, Sarah Pearl; Lebo.
Hunt, Virgil Lyle; Galva.
*Hunt, Zelma Viana; Halstead.
*Hunter, Ellen May; New Albany.
*Hunter, Katiebelle; New Albany.
*Hupp, Margaret; Overbrook.
*Huss, Myrtle; Topeka.
*Hutchison, LuElla Beatrice; Lincoln.
*Hutchison, William Anderson; Scranton.
*Hutchinson, Wilma Frances; Pomona.
*Hutson, Clara Lee; Caney.
*Hutton, Imogene Harriett; Piedmont.
*Hutton, James Baxter; Piedmont.
*Hutton, Vivon Mae; Edgerton.
*Hyle, Leon; Saffordville.
*Iba, Faye Elizabeth; Cameron.
*Irwin, Sue Mary; Abilene.
*Jacks, Doris; Bonner Springs.
*Jackson, Ella Marie; Sylvia.
Jackson, Mabel Blanche; Bellaire.
*Jackson, Mildred Wilma; Rosedale.
*Jackson, Nellie Laverne; Columbus.
*Jacobson, Harriet Price; Okla. City, Okla.
*Jacobson, Mable Anna; Sedgwick.
*Jacobson, Ruth Louise; Topeka.
*Jacques, Effie Roe; Valley Center.
Jacques, Mrs. Ella; Florence.
*Jacques, Gladys Merle; Valley Center.
*Jacques, Margaret Minerva; Bentley.
*Jacques, Marion Ethel; Valley Center.
*Jaeger, Mabel Ruth; Vesper.
*Jagnow, Ella Elizabeth; White Water.
*Jahnke, Anna Marie; Riley.
James, Laura Elizabeth; Nevada, Mo.
*James, Margaret Mina; Rossville.
James, Prudence Elizabeth; Deerfield.
*James, Rosamond Catherine; Deerfield.
Jamison, Ruth Moors; Anthony.
*Janke, Elfrieda; Lehigh.
*Jarrett, Laurel Irene; Thayer.
Jeffery, Gilbert; Horton.
*Jeffries, Veva Elnora; Yates Center.
*Jenkins, Harriett; Kansas City.
*Jennings, Julia Aurelia; Little River.
*Jensen, Mattie Birgette; Junction City.
*Jensen, Tynah Isabel; Bushong.
*Jesse, Elsie Maude; Ransom.
*Johnson, Dema Carolyn; Paola.
Johnson, Edith Aldwilda; Wilsey.
*Johnson, Edith May; Severy.
*Johnson, Eunice Myrtle; Severy.
*Johnson, Forest Harm; Douglass.
Johnson, Frank Henery; Emporia.
*Johnson, Lillian Josephine; Humboldt.
*Johnson, Ruth Marie; Linn.
*Jonson, Vera Estella; Wilsey.
*Johnson, Violet Eleida; Clearwater.

COLLEGE FRESHMEN—*Continued.*

*Johnston, Mildred Frances; De Soto.
Johnston, Milton Moore; Newton.
*Jones, Bertha Gertrude; Derby.
Jones, Beulah Hazel; Matfield Green.
*Jones, Ella Belle; Fort Smith, Ark.
*Jones, Hazel Helena; Sedgwick.
*Jones, Lillian Victoria; Burrton.
Jones, Margaret Opal; Emporia.
*Jones, Nellie Jaunita; Alton.
*Jones, Parizada Emma; Fort Smith, Ark.
*Jones, Velva Jemina; Atlanta.
*Judd, Lois Fern; Melvern.
*Kalm, Ethel Alyce; Tonganoxie.
Kaiser, Arthur Bonton; Emporia.
*Karnes, Keith Kenneth; Overbrook.
*Karr, Helen Marine; Conway Springs.
Kathrens, Hattie Olive; Arrington.
*Kanp, Kalherine Margaret; Downs.
*Kays, Mrs. Irene Josephine Dugger; Ottawa.
*Kehler, Nan; Sabetha.
Keinath, Mildred A.; Emporia.
Kell, John Hilton; Emporia.
*Keller, Grace Helen; Holton.
*Kelly, Mary Margaret; Edgerton.
*Kelsey, Mrs. Emma Kathryn; Richmond.
*Kemmerer, Lillian Evelyn; Humboldt.
*Kemp, Ruth; Barnes.
*Kennedy, Miles Simon; Benedict.
Kennedy, Ruth Ada; Burlington.
*Kennedy, Thelma Ione; Rosedale.
*Kepple, Catherine; Richmond.
*Keran, Matie Davin; Larned.
*Kershner, Winifred Caroline; ————.
*Kesinger, Mary Magdaline; Greensburg.
Kesner, Milo Milton; Le Roy.
Keyes, Marjorie Mary; Emporia.
Kiefer, Mrs. Neta; Emporia.
Kilpatric, Hattie Mar; Manchester.
*Kimble, Ethel; Downs.
*Kemport, Grace; Dellvale.
*Kencheloe, John Howard; Richmond.
*Kender, Lois Fern; Fredonia.
*Kender, Lucile; Rantoul.
*Kender, Zelpha Leafae; Fredonia.
*King, Amanda Manilla; Pomona.
*King, Hazel Marie; Chanute.
*King, Jessie Edgington; Minneola.
*King, Jessie Elizabeth; Vinland.
*Kingsley, Edna Etna; Topeka.
*Kingsley, Ida Lois; Inman.
*Kingsley, Mary Gladys; Inman.
*Kinnamon, Lela Ruth; Cimarron.
*Kinney, Helen La Reine; Carbondale.
*Kipper, Walter Edward; Belleville.
*Kerkman, Bernice Ethelyn; Burrton.
*Kirkpatrick, Christean Abrams; Webber.
*Kirkpatrick, Nelle Myrtle; Eureka.
*Ketts, Fannie Mae; Onaga.
*Kiellberg, Della Katherine; Vliets.
*Klemm, Bertha Elda; Emporia.
Klein, Matilda Rose; Fowler.
*Kloche, Clara La Bertha; Leonardville.
*Klocke, Gladys Wilma; Leonardville.
Knaus, Isabel; McPherson.
*Knight, Harriet Anna; Emporia.
*Knoller, Velma Bradley; Kingman.
Knorr, Edwin Charles; Claflin.
Knorr, Smua Cecila; Claflin.
*Knox, Julia Mae; Udall.
*Knox, Ruby Ruth; Leon.
*Koch, Florence Elsie; Beloit.
*Koch, Gertrude Nellie; Beloit.
*Koehler, Louise Wilhelmia; Lawrence.
*Kohlman, Lena Elizabeth; Atlanta.
*Koenig, Anna Eleanor; Madison.
Koppers, Anna Marguerite; Humboldt.
*Korber, Lois Whilamina; Bern.
*Kramer, Mabel Vance; Newton.
*Kramer, Nellie Blanche; Ozawkie.
*Krasny, Minnie Ella; Topeka.
*Kraus, Pearl Mabel; Alma.
*Krieger, Gertrude Augusta; Wamego.
Kuhns, Eva Elvena; Columbus.
*Kutz, Ina Mae; Iuka.
Lacy, Clare Eflin; Moran.
*Lady, Eunice Mary; Abilene.
Laing, Marie Mamie; Kansas City.
Laird, Harold Julius; Emporia.
*Lamont, Margaret Esther; Lawrence.
*Lancaster, Floribel May; Ottawa.
Lane, Howard Augustus; Le Roy.
*Lank, Carie Jeannette; Americus.
Lantow, Golda Iona; Lyons.
*Laptad, Agnes Theresa; Lawrence.
*LaRue, Lela May; Hamilton.
*Larwick, Anna Elizabeth; Lyndon.
*Larson, Esther Isabel; Marquette.
Larson, Ida Sophie; Horton.
*Larson, Sally Mauda; Horton.
*Latta, Ellen Faye; Norwich.
*Lattin, Josephine Charlotte; Galva.
Lawrence, Edna; Neodesha.
*Lawrence, Elsie Mae; Plymouth.
*Laws, Kate Pearl; Lebo.
*Leasure, Zillah; Solomon.
*Lecklider, Mabel; Kingman.
*Lee, Edward Eugene; Potter.
*Leech, Margaret Pauline; Fredonia.
Leech, Mildred; Fredonia.
*Lee, Oma Leone; Iola.
*Leidy, Mildred Rogene; Leon.
*Leiss, Sonora Manila; Haviland.
*Lemar, Evelyn Kathryn; Cleburne.
*LeMaster, Hazel Fern; Ottawa.
*Lemons, Lottie Marie; Ashland.
*Leonard, Randolph; Lyons.
*Leslie; Erma Perl; St. John.
Lewis, Bessie Louise; Hill City.
*Lewis, Florence Maraueritte; Allen.
Lewis, Lester Lloyd; Arkansas City.
*Lewis, Lila Neva; Beloit.
*Lewis, Winona Maude; Willis.
*Lickness, Marguerite Joy; St. John.
*Lill, Margaret; Leon.
*Lindsay, Robert Lee; Valencia.
Lindsley, Fenton Archie; Fredonia.
*Lingle, Lawrence Pearl; McPherson.
*Link, Gertrude Mary; Lyons.
Linn, Ella; Council Grove.
*Little, Imo Chandler; Topeka.
*Lloyd, Stanley Webster; Tonganoxie.
*Locke, Lucinda; Pratt.
Lockman, Archie Alvah; Dodge City.
Lockwood, Margaret Yvonne; Kincaid.
Logan, Helen Elizabeth; Emporia.
Lomax, George Jennings; Emporia.
*Lohmiller, Helen Irene; Salina.
*Lohner, Florence; Cheney.
*Long, Neva Mae; Drexel, Mo.
*Longfellow, Alice May; Padonia.
Looney, Charles Smith; Langdon.
Loren, Irene Alberta; Atchison.
Loux, Martha Louise; Salina.
Loveless, Paul Clyde; Marion.
*Losey, Gertrude; Clay Center.
*Love, Cora Mae; Vinland.
*Love, Opal Iowa; Severy.
*Lowe, Florence; Formoso.
*Lowe, Grace Bertha; Hamilton.
*Lower, Marcia; Alta Vista.
*Lowman, Susie Rosanna; Lawrence.
Lucas, Edyth Love; Emporia.
Ludvickson, Hazel Helen; Severy.
*Lumb, Grace; Zeandale.
*Lupton, Vernon Merle; Conway Springs.
Luncford, Clara Sena; Newcastle.

COLLEGE FRESHMEN—*Continued.*

*Luthy, Clara Frances; Harper.
Lyle, Ethel Mae; Emporia.
Lyman, George Seaman; Emporia.
*Lynch, Irene Margaret; Neosho Rapids.
Lyne, Virgil; Miltonvale.
Lyon, Floyd Wayne; Greensburg.
Lyon, Della Florence; Lyndon.
Lytle, Mrs. Lulu Anderson; Emporia.
McAdams, Maude Elizabeth; Parsons.
*McCabe, Dorothy Lillian; Burlington.
*McCammon, Alice Lula; Burr Oak.
*McCarney, Ozara Mae; Grenola.
*McCarter, Mayme Ruth; Louisburg.
*McCaul, Emina Dean; Elk City.
*McClanahan, James Faryl; Sabetha.
*McClure, Ida Belle; Valley Falls.
*McClusky, Ethel Mae; Severy.
McColl, Elma Lila; Osborne.
*McColl, Madge Delna; Lecompton.
McColl, Melvin Carl; Osborne.
McCorbe, Edris Leah; Florence.
*McCombs, Elnora Lee; Reece.
*McConnaughey, Edna Ruth; Quincy.
*McConnell, Maude Irene; Downs.
*McCormick, Frances Helen; Minneapolis.
McCormick, Mary Edna; St. John.
*McCoy, Adelphia May; Dighton.
McCoy, Clyde Harold; Eskridge.
McCoy, James; Clearwater.
*McCreight, Anne Mildred; Soldier.
*McCreight, Lula Marica; Soldier.
McCulley, Artie Roseilla; La Harpe.
McDaniel, Dot; Wichita.
McDaniel, Dorothy Edna; Atchison.
*McDaniel, Maggie; Jewell.
*McDermond, Hazel Evangeline; Winchester.
*McDonald, Ellen Elizabeth; Hartford.
McFadden, Mrs. Anna Herren; Emporia.
*McFarland, William Rearick; Cimarron.
*McGee, Gertrude Estella; Osage City.
McGee, Madeline Matoria; Kansas City.
*McGinn, Mildred Agnes; Sedgwick.
*McGinnis, Olive; Valley Falls.
*McGrath, Frank Anthony; Gardner.
McGregor, Clarence; Concordia.
McGregor, Della; Cassoday.
McGregor, Lula Elva; Emporia.
*McKee, Maggie Alice; Caney.
*McKee, Mary Virginia; Caney.
McKelvey, Frank Dennis; Dighton.
McKelvy, Gertrude Lillie; Dighton.
*McKinney, Lillian Edith; Hazelton.
*McKinsey, Isla Mildred; Allen.
*McKnight, Myrtle Alberta; Brookville.
McKown, Earl Edward; Pratt.
*McLaughlin, Irene; Harper.
*McLean, Anna Roberta; Concordia.
*McLean, Harriett Imogene; Holton.
*McLean, Prudence Estella; Concordia.
*McLeod, Mary Ellen; Vermillion.
*McLin, Ethel May; Delia.
*McMahan, Bessie; Cherryvale.
*McMullen, Minnie Elinore; Quenemo.
McMurphey, Lulu Mary; Madison.
McCurry, Georgia Marion; Parsons.
McNalley, James Alvin; Michigan Valley.
McNergeny, Florence Belle; Sabetha.
*McVay, Nora Manilla; Leon.
Maas, Lucy Caroline; Council Grove.
Mack, Mildred; Dunlap.
Macurdy, Warren Critchloy; Emporia.
*Madden, Monica Margaret; Effingham.
*Madden, Prudence Ann; Emporia.
*Maill, Olga; Elma.
Major, Melba; Rossville.
Major, Mildred; Rossville.
*Malone, Cecilia Margaret; Elmwood.
*Malone, Gertrude Constance; Lyons.
Malone, Matilda Martha; Edwardsville.
Mansfield, Leora; Lucas.
*Mark, Margaret Ellen; Abilene.
Markle, Troy Clinton; Sylvia.
Markley, Bertha Aretta; La Harpe.
*Marshall, LaVeta Maude; Hoyt.
Marshall, Lucy Elizabeth; Minneola.
*Marteney, Mae; Cunningham.
Martin, Alice Pearl; Adams.
*Martin, Julia Evaline; Allen.
*Martin, Lula Zoah; Emporia.
*Martin, Opal Coral; Hazelton.
*Martin, Velma Erene; Moran.
Mason, Etta Lola; Colony.
*Mason, Hesse Helen; Cheney.
*Massey, Josephine Brugand; Cottonwood Falls.
*Maston, Anna Mae; Oswego.
*Mastin, Stanley George; White City.
*Mattingly, Helen Elizabeth; Osawatomie.
*Mattson, Hildegard Esther; Inman.
*Maulsby, Ralph Eugene; Lebanon.
Maudsley, Alar Barton; Pratt.
*Maxwell, Blanche Olive; Washington.
Mayberry, Robert Dudley; Harper.
*Mayer, Wilma Mable; Lawrence.
*Mead, Velma Magdalene; Madison.
*Medley, Mae Elise; Tampa.
*Medley, Margie Iva; Tampa.
*Meeder, Mae Angeline; Eudora.
*Meeder, Nannie Eldora; Eudora.
Meek, Verle; Emporia.
Meeker, Frohman Donald; Eskridge.
*Meerian, Sophia Elizabeth; Hanover.
*Meinzer, Agnes Thelma; Winfield.
*Meitzer, Phyllis Hecht; Denver, Colo.
*Mellor, Jennie Blanche; Waverly.
*Meng, Bertha Elizabeth; Gardner.
*Menzel, Nellie Henrietta; Marysville.
*Mesic, Avis Marie; Burlington.
*Metz, Emma Marie; Abilene.
*Meyer, Edna Pearl; Eudora.
*Meyers, Hilda Louise; Alta Vista.
*Meyer, Lucile Emily; Speed.
Miles, Mabel Olive; Sedgwick.
Miller, Clark Eugene; Dighton.
Miller, Dona Christina; Gridley.
*Miller, Elizabeth Moffett; Topeka.
Miller, Edwinna; Ottawa.
Miller, Ethel Lena; Neodesha.
*Miller, Ethel Lillian; Eudora.
*Miller, Ethel Viola; Eudora.
*Miller, Gladys Hazel; Norwich.
Miller, Grace Roberta; St. Francis.
*Miller, Lillian Mae; Muscotah.
*Miller, Mildred Fae; Troy.
*Miller, Montana; St. John.
*Miller, Myrtle Annalyn; Leonardville.
*Miller, Nondus; Piedmont.
*Miller, Olive Nellie; Canton.
*Miller, Pearl May; Garden City.
Mills, Aldon; Chanute.
*Mills, Juanita Otho; Lane.
*Mills, Mary Ann; Hazelton.
*Mills, Mary Nadene; Kansas City, Mo.
*Minor, Blasida Martha; Emporia.
*Minton, Frances Hanks; Neosho Falls.
Mirth, Daphne Lucile; Emporia.
Mitchell, Frank Albert; Emporia.
Mitchell, Lillian Louise; Emporia.
Moch, Howard Edgar; Arlington.
Moch, Nora Belle; Arlington.
*Mogel, Howard; Colony.
*Mogge, Frieda Elizabeth; Alma.
Monroe, Kathleen Dorothy; Fredonia.
*Monroe, Lois Eunice; Waverly.
*Monypenny, Agnes Mabel; Hartford.
*Mooney, Bertha; Lebo.
*Moore, Bernadine; Howard.
*Moore, Ethel Susan; Alta Vista.
*Moore, Frances Aleatha; Louisburg.
*Moore, Hazel Grace; Lawrence.

College Freshmen—*Continued.*

*Moore, Merle Lola; Gardner.
*Moore, Olive Marie; Emporia.
*Moore, Opal Joy; Derby.
Moore, Sadie Irene; Gardner.
Moors, Esther Ida; McPherson.
*Moothart, Vera Oral; Windom.
*Morehead, Joseph Victor; Troy.
*Morgan, Clara Belle Blake; Moscow.
*Morgan, Leslie Mary; Emporia.
Morgan, Philip Ray; Emporia.
Morgan, Ruth Roberta; Emporia.
Morris, Eva Violet; Canton.
*Morris, Nora May; Plains.
Morse, Theodore Alice; Emporia.
*Morton, Abbie Emma; Vinland.
*Morton, Mary Catherine; Fall River.
*Moser, Matilda Caroline; Stilwell.
*Mosley, Irene Elizabeth; Dillon.
*Mott, Melissa Florence; Gardner.
*Moyer, Katherine Laura; Wilson.
*Muckentholer, Bernadine Marie; Paxico.
*Muchenthaler, Regina Otilla; Paxico.
Muhlet, Elsie Anne; Colony.
*Mullett, Edith Elizabeth; Arkansas City.
*Mummey, Bernice; Hamilton.
*Munger, Callie Marie; Belleville.
*Murphy, Phyllis Genevieve; Edgerton.
*Musick, Thelma Frances; Summerfield.
*Musick, Walter Allie; Richland.
*Myers, Cecil Lawrence; Horton.
*Myer, Faroney May; Larned.
Nash, Anna Elizabeth; Eskridge.
*Neff, Mabel Caroline; Howard.
*Neighbor, Margie Rena; El Dorado.
*Neill, Mable Eloise; Miltonvale.
*Neilson, Gladys Christine; White Water.
*Nelson, Anna Adelia; Falun.
*Nelson, Daisy Anna; Whiting.
*Nelson, Edythe Maude; Galva.
*Nelson, Freda Josephine; Eskridge.
*Nelson, Grace Gilbert; Iola.
*Nelson, Grace Lydia; Minneapolis.
*Nelson, Melvina Leone; Netawaka.
*Nelson, Merle May; Jamestown.
*Nelson, Myrtle Olive; Falun.
*Nelson, Ona Viola; Great Bend.
*Ness, Edna Katherine; Caney.
*Nettrover, Anna Mae; Lost Springs.
*Nettrover, Roy Albert; Lost Springs.
*Neugebauer, Margaret Elizabeth; Hanover.
*Nevitt, Esther Bell; Saffordville.
Nevitt, Lena May; Saffordville.
New, Deltha Viana; Kansas City.
*Newhard, Verna Ethel; Peabody.
*Newton, Edna Viola; Colony.
Newman, Caroline Annette; Virgil.
Newman, Violet; Emporia.
*Nichols, Ada Helen; Lucas.
*Nichols, Myrtle; Kincaid.
*Nichols, Virginia; Lyons.
*Nicholson, Myrtle Blanche; Maize.
*Nicholey, Edna Wilma; Dwight.
*Nichaus, Lillian May; Whiting.
*Niemeir, Daisy Ferne; Cimarron.
*Niemeir, Hester Ruth; Cimarron.
*Nilsson, Martha; Assaria.
*Nitz, Johanna Louise; Troy.
*Nitz, Minetta Eudora; Troy.
*Noble, Edith Elizabeth; Oneida.
*Noble, Mabel Maxine; Ottawa.
*Noe, Ruth Leona; Horton.
*Nohlen, Anna Eleanor; Cleburne.
Nokes, Orval Clifford; Welda.
Norrish, Dorothy Sophia; Logan.
*Norris, Nora Agnes; Lawrence.
North, Merion Edith; Kinsley.
Nottorf, Eunice Verna; Abilene.
*Norton, Mildred Osborn; Centralia.
*Nottorf, Eunice V.; Abilene.
*Nusbaum, Lois Irene; Bern.
Oakleaf, Josephine Burnhilde; Mound City.
*Oberle, Lillie Rose; Carbondale.
O'Bryant, Chas. Wm.; Marion.
*O'Connell, Mary Kathryn; Beattie.
Oerke, Lewis Frank; Caldwell.
Ogden, Lettie Leone; Herington.
*Ogle, Mildred Delpha; Gridley.
*Olander, Rena Victoria; Little River.
*Oliphant, Mildred; Washington.
*Oliver, Mary Margaret; Maplehill.
*Orr, Anna Esther; Winchester.
*Orr, Bertha E.; Fall River.
*Orr, Gilbert Willard; Winchester.
Orr, Wilmina Lee; Fall River.
*Osborne, Agnes Elizabeth; Eudora.
*Osborne, Florence Elizabeth; Corwin.
*Ott, Mary Evelyn; Hamilton.
*Ott, Velma Lucille; Hamilton.
*Overbaugh, Lillian Hazel; De Soto.
*Overton, Rowena Adale; Pratt.
*Owens, Everett Johnson; Bentley.
*Owens, Theodore Dosia; Merriam.
Owsley, Ruthetta; Longford.
*Padgett, Harriette Mansie; Florence.
Paine, Vernon Emery; Admire.
Palmer, Floyd Earl; Hutchinson.
Pantle, Pearle Carolyn; Emporia.
*Paramore, Florence; Logan.
Pardee, Florence Beatrice; Eskridge.
*Parker, Luella Bernice; Corwin.
*Parker, Mary Elizabeth; Arkansas City.
*Parks, Hazel Grace; Benton.
*Paro, Wanda Gladys; Clay Center.
*Parrish, Inez Marie; Preston.
Parry, Elizabeth Mary; Barclay.
*Parsons, May Charlotte; Neodesha.
*Patterson, Delmar Glenn; Dodge City.
*Patterson, Marion Kelly; Spivey.
*Patterson, Sara Almeda; Niotaze.
Patterson, Veda Lucile; St. John.
Patton, Elizabeth Blanche; Logan.
Patty, Mary Juanita Magdalene; Emporia.
*Payne, Edna May; Leavenworth.
*Payne, Lulu Ethel; Formoso.
Peach, Harry Eugene; Emporia.
Pease, Charis Leone; Emporia.
Peddecord, Paul L.; Belle Plane.
*Pelzel, Josephine; Harper.
*Pennington, Mrs. Lloyd; Emporia.
*Perkins, Fern Del; Ottawa.
Perry, Clyde Alfred; Parsons.
*Perry, Eva May; Windom.
*Peterson, Adelaide Isabell; New Ulysses.
*Peterson, Madeline; Manhattan.
Peterson, Mildred Alvena; Onaga.
*Peterson, Vesa Henrietta; Assaria.
Phillips, Dwight Leland; Wellsville.
Phillips, Earl Frank; Emporia.
*Phillips, Gladys Helen; Admire.
*Phinney, Fae Mary; Norton.
Pinnick, Annis Olive; Fowler.
Pinnick, Florence Estelle; Fowler.
*Piper, Leta Beatrice; Garden City.
*Pittman, Mildred Jean; Wellington.
Pivonka, Annette Marie; Dighton.
Poggeman, Albert Louis; Summerfield.
Pope, John Orville; Hillsdale.
Porr, Lillith Azalia; Effingham.
Porter, Inez; Simpson.
*Porter, Mary; Wichita.
*Porter, Ruth Elizabeth; Council Grove.
*Potter, Erma Leolo; Maplehill.
Powell, Arthur Dee; Fredonia.
*Powell, Grace Leone; Medicine Lodge.
Prather, Donelda Mable; Eureka.
*Prather, Ellen Gertrude; Garfield.
*Price, Elsie Blinn; Liberty.
*Price, Mary Marie; Stilwell.
*Prichard, Harley Austin; Home.

COLLEGE FRESHMEN—*Continued.*

*Priest, Gertrude Elizabeth; Whiting.
Prince, Marion Clark; Emporia.
*Pringle, Alberta Elizabeth; Wichita.
*Prose, Inez Melba; Macksville.
*Protzman, Mary Alice; Paola.
*Pryor, Zerelda Belle; Augusta.
Purdy, Marie Adelpha; Atchison.
*Purvis, Annie Forest; Carbondale.
*Quaintance, Milton; Gardner.
*Quigley, Ellen; Great Bend.
Radebaugh, Addie Alice; Frankfort.
*Ragan, Grace Anna; Bentley.
*Raida, Lillian Daisy; Norwich.
*Ramy, Mrs. Evelyn Lois; Eureka.
Randolph, Anne; Emporia.
*Ransdell, Thelma Lois; Auburn.
*Ransom, Alma Beatrice; Topeka.
*Ransom, Izma Ruth; Derby.
*Rathborne, Ruth Berneta; Leavenworth.
Rathbun, Elsie Catherine; Beloit.
Rathbun, Rubie Elloise; Beloit.
*Rayson, Vida; Galena.
*Read, Carrie; Homewood.
*Read, Edith Leona; Overbrook.
*Reagan, Bernadine Kathryn; Uniontown.
*Reagan, Genevieve; Uniontown.
*Reardon, Helen Marie; Leavenworth.
*Rebman, Emma Anna; La Harpe.
*Reed, Ethel May; Hutchinson.
Reeble, Irene Ruth; Emporia.
*Reed, Edna Agnes; Kingman.
*Reed, Mabel Annabelle; Summerfield.
*Reed, Sylvia Irene; Wakefield.
*Reedy, Marie Ethyl; Pomona.
*Rees, Lucille Ruth; Council Grove.
Reeves, Constance Irene; Emporia.
Reeves, Ethel One Asburry; Quindaro.
Reeves, Louis Theodore; Emporia.
*Reichart, Gladys Arline; Arrington.
*Reid, Elizabeth; White City.
Remick, Bessie Maude; Downs.
*Remick, Laura Mae; Downs.
*Remmens, Mary Evelyn; Marion.
*Renz, Anna Katherine; Riley.
*Reynolds, Flora Eleanor; Humboldt.
*Reynolds, Lou Elle; Sylvia.
*Reynolds, Ruth Dodd; Ashland.
Rhine, Edna Ruth; Haddam.
*Rhine, Iris Blanche; Haddam.
*Rhoades, Faye Cora; Wellsville.
Rhodes, Iness Irene; Smith Center.
*Rice, Beulah Agnes; Arkansas City.
Rich, Gladys Lucile; Emporia.
Rich, Thelma Vanona; Fredonia.
*Richards, Eleanor Mary; Burrton.
*Richert, Elizabeth; Burrton.
*Richter, Helen Ethel; Emporia.
Rickabaugh, Ora Mae; Emporia.
*Riegel, David Andrew; Ford.
Ritterhouse, Edna; Yates Center.
Roan, Glenna Fay; Coffeyville.
Roberts, Bertha Wright; Holton.
Roberts, Clarence Joseph; Marion.
*Roberts, Marie Estella; Iola.
*Robertson, Edna Myrtle; Paola.
Robertson, William Henry; Eskridge.
Robinson, Ethel Elizabeth; Emporia.
Robinson, Murrell Delight; Emporia.
*Robison, Sybil; Corning.
Rodewald, Elizabeth Sarah; Halstead.
Roe, Winifred Jane; Emporia.
*Roehman, Harold; Parkerville.
*Roessler, Gladys; Isabel.
*Roessler, Melvin; Isabel.
*Romanoff, Evelyn Catherine; Dodge City.
*Romick, Margaret Jane; Maplehill.
*Roth, Christine Mildred; Emporia.
*Roth, Lela Anna; Hanover.
Roth, Reta Gladys; Emporia.
*Rouse, Lillian Mae; Council Grove.
*Roy, Veldeva Grace; Wilsey.
Ruch, Elsie Louise; Claflin.
*Rucker, Sybil La Velle; Shaw.
Runyan, Gertrude; Carlsbad, N. M.
Runyan, Viva May; Barclay.
*Rush, Rhoby Mary; Maize.
*Russell, Constance Lucile; Mankato.
*Russell, Montana; Wichita.
*Russell, Paul Wilfred; Mankato.
*Russell, Wilma Winifred; La Crosse.
*Rutter, Elnora; Piedmont.
*Sadler, Mabel Stevenson; Oneida.
Sager, Sybil Iantha; Emporia.
*Sallee, Gertrude Pearl; Neosho Falls.
*Salmon, Mary Elizabeth; Fowler.
*Samson, Josephine Amelia; Valley Falls.
*Samuel, Ada Fredricks; Halstead.
Sanderson, Mabel Margaret; Lyndon.
*Satterlee, Helen Alma; Humboldt.
Saunders, Ada Caroline; Osawatomie.
Sawtelle, Mary Stevens; Peabody.
*Sayers, Alma Leveana; Rosedale.
*Saylor, Laura Eva; Talmage.
*Schaeffler, Martha Mae; Hillsboro.
*Schafer, Gertrude Blanche; Vermillion.
*Schafer, Laura May; Vermillion.
*Schermerhorn, Mae; Olathe.
Schlender, Freda; Moundridge.
*Schmeissner, Anna Bessie; Peck.
Schmanke, Arnold Otto; Alma.
*Schmidt, August; Buhler.
*Schmidt, Minnie Melinda; Newton.
*Schmitt, Dannie; Moundridge.
Schmitt, John Walter; Pretty Prairie.
Schmitz, Hilda Ottilie; Alma.
*Schneider, Bertha Kathryn; Downs.
*Schneider, Edyth Dorothy; Hillsboro.
*Schrair, Mabel Irene; Vermillion.
*Schupp, Jessie Mae; Williamsburg.
Schwarz, Sophie Eva; Burns.
*Scott, Clara Mae; Peru.
*Scott, Emma Katherine; Kirwin.
*Scott, Harriet Newel; Kirwin.
*Scott, Hattie Lucinda; Council Grove.
Scott, Barthena Melissa; Emporia.
*Scott, Winnie Palitha; Kirwin.
*Sechrist, Chester Orlando; Meriden.
*Seibor, Johanna Lydia; Halstead.
*Seitz, Lenna Leona; Anson.
Semish, Victor Esher; Keighley.
*Serene, Mrs. Velma Willey; Colony.
*Servia, Mary Geneva; Lane.
Sexton, Thomas; Dunlap.
*Seymour, Fanie; Rantoul.
*Shaler, Ruth Olive; Topeka.
*Shannon, Ethel Effie; Kansas City.
Shannon, Ina Gladys; Barnes.
*Shannon, Stella; Andover.
Shapland, Agnes Marie; Topeka.
Shapland, Margaret Frances; Topeka.
Sharon, Lois; Waverly.
*Shaw, Clara Iola; Wamego.
*Shaw, Mary Katherine; Reading.
Sheldon, Edwin Ruthbern; McLouth.
*Sheldon, Mildred Imogene; Clay Center.
Shepard, Ione Hulett; Emporia.
Shepard, Lena Olive; Emporia.
Shepard, Martha Meredith; Hamilton.
Shepard, Veta May; Kincaid.
*Sherer, Aileen Emma; ————.
*Sherffins, Edna Frances; Elmdale.
*Shewmaker, Verna Thelma; Admire.
*Shields, Sylvia Susan; Lost Springs.
*Shipley, Mary Rachel; Goddard.
*Schokey, Dorothy Helen; Derby.
*Shoemaker, Irma Ethel; Moran.
*Shonkurler, Marguerite; El Dorado.

COLLEGE FRESHMEN—*Continued.*

*Shore, Bertha Belle; Hiawatha.
*Short, Clarice Preston; Harper.
*Short, Doris Alice; Blue Rapids.
Short, Edalyne Permelia; Hamilton.
Short, Lena; Cottonwood Falls.
*Short, Lybil Ann; Harper.
Showers, Louis; Neosho Rapids.
*Shroyer, Eva Mae; Miltonvale.
*Shupe, Erma Ann; Sitka.
*Silkett, Della Donna; Downs.
Simmons, Edna May; Emporia.
*Simpson, Edna Margaret; Severy.
*Simpson, Ethel Marie; Haviland.
*Simpson, Margaret Eugenia; Emporia.
Sims, Lucile Etheline; Pleasanton.
*Sister, Angela Meyer; Paola.
*Skagga, Julia Frances; Sharon.
Skidmore, Alice Vivian; Osage City.
*Slack, Shirley Ione; Iola.
Slimm, Julia Anne; Wilson.
*Sloan, Ruth Mae; Zenda.
*Small, Edith Dorena; Florence.
*Small, Hazel Lenore; Summerfield.
Smeltzer, Arthur McDelvy; Division.
Smethers, Myrtle Ruth; Elmdale.
*Smiley, Eva Kathryn; Halstead.
Smiley, Lena Genevieve; Topeka.
Smith, Cora Hazel; Emporia.
*Smith, Duff Daniel; Allen.
Smith, Faye Elsie; Vermillion.
*Smith, Georgia Glendale; Harper.
Smith, Harriet Elivor; Lenora.
Smith, Helen June; Fall River.
*Smith, Inez Ollie; Barclay.
*Smith, Jennie Nioma; Herington.
Smith, Julia Edna; Fall River.
Smith, Lola Belle; Wichita.
*Smith, Lola Marie; Harper.
*Smith, Lottie; Edgerton.
*Smith, Mabel Rachel; Eskridge.
Smith, Madge Laurel; Little River.
Smith, Marie Emily; Minneapolis.
Smith, Marie Lutetia; Pleasanton.
*Smith, Marion Earl; Ford.
Smith, Mazie Don; Fredonia.
*Smith, Mydra Jane; Larned.
*Smith, Nellie Mabel; Barclay.
*Smith, Stella Mary; Sylvia.
*Smith, William Foster; Ford.
*Smith, Zueletta Bernice; Lost Springs.
*Smulling, Leona Elsie; Reading.
Sneed, Ida Belle; Huntingdon.
Snyder, Charles Edward; Soldier.
*Snyder, Esther Willma; Admire.
*Sondergard, Sidney; Ramona.
Southard, Grace Angeline; Allen.
*Southwick, Melvin Dward; Admire.
Speer, Brintnel Denver; Dodge City.
*Spangler, Cora Lucinda; Lost Springs.
*Spearman, Guila Elizabeth; Reading.
*Spears, Mary Jane; Sabetha.
*Spelman, Mildred Susan; Ozawkie.
Spencer, Nobel Etta; Emporia.
*Sprague, Ethel Irene; Eskridge.
*Sprague, Zero Gladys; Douglass.
*Spratt, Cecille Rosamond; Blue Rapids.
*Squire, Vera Agnes; Latham.
*Staley, Hazel Frances; Neosho Rapids.
Stall, Dorothy Louise; Thayer.
*Stammers, Charlotte Evelyn; Fairbury.
*Stamper, Jessie Marie; Effingham.
*Stanberry, Gladys Marie; Oketo.
Standish, Winnie Gertrude; Holton.
*Standley, Mildred Rosalind; Madison.
Stanley, Hazel Frances; Anthony.
*Stanton, Faye Dorcas; Washington.
*Staples, Sarah George; Salina.
Stark, Ira Edgar; Elk City.
Starr, Mattie Lee; Highland.
*States, Alice Mae; Nickerson.
*Statler, Thelma Pearl; Minneola.
Statton, Maybelle; Ashland.
*Steele, Florence Evelyn; Sterling.
*Steinmetz, Beulah Josephine; Offerle.
*Stenger, Florence Edith; Council Grove.
Stephens, Don Luther; Emporia.
*Stephens, Dorothy Ann; Holton.
*Stephens, Earl Paul; Geuda Springs.
Stephens, Marie Alberta; Macksville.
Stephens, Mercy Alberta; Macksville.
*Stevenson, Ella Norean; Lane.
Stevenson, Ina Robertson; Holton.
*Stewart, Edith Mailine; Bluff City.
*Stewart, Elizabeth Clement; Wichita.
*Stewart, Mary Frances; Gardner.
*Stewart, Mrs. Sarah Louise; Council Grove.
Stice, Ona Belle; Alta Vista.
*Stickel, Sylvia Ann; Vermillion.
*Stinebaugh, Minerva Maxine; Halstead.
Stinger, Florence Edick; Council Grove.
*Stittsworth, Lola Vievenne; Milford.
*Stone, Edna Alphetta; Riley.
*Stone, Eva Elizabeth; Leonardville.
Stone, Florence Elnora; Saffordville.
*Stone, Howard Obley; Saffordville.
*Stone, Lucy Marie; Emporia.
*Stone, Marguerite; Sharon.
*Stones, Mabel Marie; Haviland.
*Stoops, Dona Marie; Medicine Lodge.
*Stouder, Guy Perry; Emporia.
Stoughton, Doris Jo; Lyons.
Stout, Joseph William; Emporia.
*Stout, Ruth Iverna; Medicine Lodge.
*Story, Mary Iva; Peru.
*Strange, Bryan Wm. Jennings; Blue Rapids.
*Striegel, Edna Isabelle; Murdock.
*Striegel, Frances Velva; Fredonia.
*Strong, Edith Velma; Overbrook.
Strubb, Carr Sherman; Newton.
*Studebaker, Edith Mildred; Saffordville.
*Sturdy, Elizabeth; Baldwin City.
*Sturgeon, Edna Marie; Topeka.
Sughrue, Andrew Thomas; Dodge City.
*Sullenger, Gertrude Ellen; Marion.
Summers, Ralph Marion; Scott City.
*Sundeen, Ruth Mary; Burdick.
*Surig, Carrie Mae; Altoona.
*Surig, Ora Alice; Altoona.
*Sutherland, Catherine Minnie; Williamsburg.
*Swank, Alice Janie; Ottawa.
*Swank, Blanche Leone; Blue Mound.
*Swanson, Hilda Rosella; Salina.
*Swanson, Mabel Evalena; ————.
*Swartz, Claribelle; Republic.
*Sweet, Lydia Lucile; Edmond.
Swender, Clyde Elven; Kincaid.
Swinney, Evelyn Avis; Buffalo.
*Swoboda, Jas. Francis; Hanover.
Talbott, Francis; Emporia.
*Tanner, Marietta; Morganville.
*Tawzer, Mrs. Bessie Harlan; Minneola.
*Taylor, Grace Rosetta; Pomona.
Taylor, Helen Elizabeth; Fowler.
*Taylor, Jane; White Cloud.
Taylor, Merle Shelley; Emporia.
Taylor, Neva Irene; Zeandale.
*Taylor, Ruth Ethelyn; Hutchinson.
Taylor, Vera May; Neodesha.
Thackston, Garnet Irene; Jewell City.
*Thayer, Elisye Frances; Kensington.
Thayor, Elizabeth; Leavenworth.
*Thiersten, Alma Gertrude; Marysville.
*Thomas, Alice Emma; Hartford.
*Thomas, Fred; Garrison.
Thomas, Norine Florence; Emporia.
*Thomas, Ruth Iris; Peabody.
Thompson, Claud John; Bucklin.

COLLEGE FRESHMEN—*Continued.*

*Thompson, Irene; Burrton.
*Thompson, Leonard Wilson; Wamego.
*Thompson, Mabel; Junction City.
Thompson, Marian; Emporia.
*Thompson, Mark McCall; McPherson.
*Thompson, Mildred Vivain; Kincaid.
Thompson, Nelle Irene; Goff.
*Thompson, Ruth Elizabeth; Atchison.
*Thoren, Leona Esther; Eudora.
Thornton, Charles Otis; Madison.
*Thornton, Myrtle Margaret; Iola.
*Thrasher, Hazel Irene; Holcomb.
*Thrasher, Jennie; Arlington.
*Thyer, Beatrice Jane; Blue Mound.
Tibbals, Lucile Irene; Lawrence.
*Tichenor, Cleo Lenora; Le Roy.
*Tiggs, Freda Beatrice; Parsons.
Tipton, Captolia Mary; Parsons.
Titus, Muriel Josephine; Gypsum.
*Titus, Polly Eliza; Preston.
Tobias, Eleanor Lavina; Wilson.
*Tobiason, Clara Theresa; Willis.
*Todhunter, Faye LeElla; Lecompton.
*Tompkins, Mabel Ellen; Melvern.
Tonn, Earl Henry; Haven.
*Torbert, Ruth Innis; Buffalo.
*Torgeson, Gladys Leota; White City.
*Tournade, Eunice Roberta; Lyndon.
*Tracy, Marie Anna; Americus.
*Tregemba, Myrtle Avis; Overbrook.
*Trent, Gladys Mae; Downs.
Trigg, Mae Ferguson; Emporia.
Trowbridge, Dorothy Eleanor; Cottonwood Falls.
Truelove, Mabel Viola; Hartford.
*Trull, Wilma Scott; Kirwin.
Trusler, Cecil Rosetta; Emporia.
*Tucker, Malinda May; Arlington.
Tucker, Marion; Michigan Valley.
*Tucker, Morris Joseph; Arlington.
*Tuggle, Harriet Robertson; Paola.
*Tunny, Blanche Mourine; Emporia.
*Tunney, Ethel Alice; Emporia.
Turner, Lena Mildred; Osborne.
*Tutcher, Myrtle Iva; Overbrook.
*Twombly, Vera Lorraine; Fanning.
*Tyner, Elma Kinney; Overbrook.
Unruh, Geneva Lucile; Pawnee Rock.
Updegraft, Eulola Florence Reed; Burlington.
*Updegrove, Barbara Ruth; Cimarron.
*Urich, Ruth Dorothy; Carbondale.
*Urton, Lora Gail; Medicine Lodge.
*Vail, Florence Lenore; St. George.
*Valentine, Eva Jennie; Princeton.
Valentine, Frances Lillian; Hiawatha.
*VanAtta, Marjorie Louise; Enterprise.
*Van Ausdall, Ida Lois; Athol.
*Van Fossen, Mabel Anne; Humboldt.
*VanGundy, Bernice May; Neosho Rapids.
*Van Leuven, Frank Benton; Milton.
*Van Leuven, Lillian Latham; Milton.
Van Lieu, Vera Vern; St. John.
*Van Middlesworth, Alma Ernestine; Augusta.
*Van Orsdol, Glen William; Rossville.
Van Tuyl, Margaret Treva; Leavenworth.
*Vaughn, Helen Adaline; Beattie.
Vaughn, Marian Frances; Winfield.
*Vawter, Ermin Elizabeth; Blue Rapids.
*Vawter, Mabel Anna; Blue Rapids.
*Venneberg, Rosa May; Soldier.
*Verlin, Eva Mae; Neosho Rapids.
*Vesper, Florence Anna; Newton.
*Vesper, Susan Marie; Newton.
*Vickers, Jesse Edwina; Sedan.
*Vickery, Mary Lucile; Sabetha.
*Vilven, Pearl Ann; St. Marys.
*Volkman, Edna Elisa; Woodbine.
*Von Waaden, Helen; Hanover.
*Vosburgh, Florence Elizabeth; Osborne.
*Waddle, Florence Amber; Osage City.
*Waddle, Naomi; Osage City.
*Wade, Lena Edna; Eudora.
*Wagner, Flora Margaret; Yates Center.
*Walker, Launcelot Lee; Ford.
Walker, Martha Ann; Emporia.
*Wallace, Ava Margaret; Welda.
*Wallace, Camie Frances; Holcomb.
*Wallace, Lynn Robert; Kincaid.
*Waller, Edith Lucille; Lane.
*Walrod, Mattie Opal; Moran.
*Walter, Florence Ruth; Bendena.
*Walz, Grace; Atlanta.
*Waples, Vera; Wichita.
*Ward, Kenneth Harold; Severy.
*Ward, Nellie Luciene; Severy.
Wardell, Kate; Derby.
*Warner, Samson Dewey; Enterprise.
Warren, Alton Parker; Eskridge.
*Warren, Katie Jane; Vassar.
*Warren, Nina May; Vermillion.
*Waste, Harriet Florence; Hiawatha.
*Wathers, Charlotte; Oketo.
Watt, Helen Marie; Ellsworth.
Watt, Katherine Caroline; Neodesha.
*Wayman, Marie Anna; Allen.
*Weathered, Lola; Norwich.
Weaver, Blanch; Piedmont.
Wedel, Anna; Moundridge.
*Wedelin, Mrs. Bess Catherine Tyler; Fredonia.
*Wedelin, George Henry; Severy.
*Weed, Huldah Ruth; Emporia.
*Weegar, Faye Alvernon; Williamsburg.
*Weigand, Elizabeth Estellene; Burlington.
*Weimer, Floyd Arthur; Emporia.
*Weinhold, Ollie Ensign; Wilson.
Weise, Estelle Alma; Wichita.
*Welch, Marcia Julia; Council Grove.
*Wells, Janet Chalmers; Belleville.
*Welton, Ruth Lillian; Rantoul.
*Wendle, Nettie Fae; Marysville.
Wendling, Marguerite Marcella; Halstead.
*Wendt, Emma Lena; Elmo.
*Wenger, Alice Marie; Tonganoxie.
*Wenke, Elizabeth Mary; Ellinwood.
*Wenta, Anna Victoria; Fowler.
Wentworth, Clara Alice; Wichita.
Wentz, Frank; Burlington.
West, Vera Mae; Emporia.
*Westbrook, Hazel Jane; Canton.
*Weston, Mary Leone; Uniontown.
Westrup, Phoebe Pearl; Woodbine.
Weyler, Lawrence; Emporia.
*Wheeler, Dorothy; Oxford.
*Wheeler, Hazel Myrtle; Oxford.
*Whipple, Helen; Hope.
*Whitcher, Flossie Eletha; Williamsburg.
*Whitcher, Vera; Williamsburg.
Whitcraft, Blanche Ruth; Axtell.
*White, Ella LaVerne; Mayetta.
*White, Erma Hazel; Horton.
*White, Frances Elizabeth; Tonganoxie.
White, Grace; Americus.
*White, Hazel Clara; Buffalo.
*White, Irene Inez; Muncie.
*White, Margaret Dean; Rose.
*Whiteman, Josephine Ruth; La Crosse.
Whiteneck, Sylvia Elizabeth; Aulne.
*Whitmore, Myrtle Fontona; Admire.
*Whitsitt, Louise Jessie; Williamsburg.
*Whittaker, Aldene; Cimarron.
*Whitted, Mona Doris; Derby.
*Wierwill, Leona Esther; Florence.

COLLEGE FRESHMEN—*Concluded.*

*Wiggins, Gladys Mabel; Carlyle.
Wilcos, Althea Cornelia; Le Roy.
*Wilcox, Hattie Nettie; Leon.
*Wiley, Grace Louise; Minneapolis.
Wilhite, Vernon Earl; Emporia.
*Wilkes, Bessie Belle; Belleville.
Wilkinson, Alva Edward; Welda.
Wilks, Bess Marie; Emporia.
Wilks, Lloyd Slight; Emporia.
*Wilkinson, Alva Edward; Welda.
*Willaby, Ethel Addie; Toronto.
Willey, Florence Margaret; Elmdale.
*Wilhite, Ednah Pearl; Toronto.
Williams, Alice Louise; Conway Springs.
Williams, Elizah; Emporia.
Williams, Madeline Florence; Emporia.
*Williams, Marie Belle; Gardner.
*Williams, Mary Alameda; Bushong.
*Williams, May Laura; Burlington.
Williams, Nona; Macksville.
Williams, Orlesta; Emporia.
*Williams, Rachel Gertrude; Preston.
*Williams, Tasie Mae; Tonganoxie.
Williams, Winford F.; Macksville.
Williamson, Armista Nellie; Sabetha.
Williamson, Josephine Loraine; Newton.
*Willman, Fern Grenola; Hamilton.
Willoughby, Roy Ray; Coyville.
*Willrich, Lillian Pauline; Fort Scott.
*Wilson, Bertha Lucetta; Winfield.
*Wilson, Dora Catheryn; Lawrence.
Wilson, Elsie; Clearwater.
*Wilson, Elsie May; Topeka.
*Wilson, Famie Avis; Gardner.
*Wilson, Hazel LaVesta; Moscow.
*Wilson, Irene Luetta; Melvern.
*Wilson, Jessie Caton; Hamilton.
*Winebrenner, Mary Alice; Ponca City, Okla.
*Winfrey, Ruth Elizabeth; Winfield.
Wingert, Violet Honora; Emporia.
*Wingler, Ethel Thelma; Iola.
*Winner, Edith Lucille; Winfield.
*Winter, Elsie Gunild; Hutchinson.
*Winters, Mae; Valley Center.
*Winter, Mattie Jane; Richmond.
*Wipf, Olga Hermina; Plevna.
Wismeyer, Clarence Clinton; Newton.
*Witham, William Frank; Vermillion.
Woldt, Alma Rose; Spring Hill.
*Wolf, Shirl Avis; Haven.
Wolfe, Magdalene Grace; Ellsworth.
*Wolgast, Fairy Mae; Alta Vista.
*Wood, Daisy Mae; Grenola.
*Wood, Helen Mar; Anthony.
Wood, Frank; Emporia.
*Wood, Lois Elizabeth; Topeka.
Woodard, Byron Clark; Emporia.
*Woodard, Rubb Agnes; Kincaid.
Woodard, Irene; Wichita.
Woodard, Ruth Marie; Eudora.
*Woods, Blond Zack; Greensburg.
Woods, Oweida; Topeka.
*Woodside, Verna Viola; Carbondale.
*Woodson, Winona Frances; Emporia.
*Woodworth; Jennie Mae; Anthony.
*Worley, Clarence Lester; Utopia.
*Wrampe, Alvena Louise; Madison.
Wright, Alberta Faye; Maplehill.
*Wright, Eleanor Mae; Rosalia.
*Wright, Mabel Louisa; Sedgwick.
*Wright, Zella; Wellsville.
*Wyatt, Florence Alta; Newton.
*Yearberry, Beulah; Cunningham.
*Yarberry, Ethel May; Cunningham.
*Yates, Gladys Margaret; Tonganoxie.
*Yeakley, Naomi Beryl; Hoyt.
*Yoder, Loretta Mae; Conway.
*York, Gladys Alberta; Garfield.
*Young, Beatrice Barbara; Stilwell.
*Young, Clara Lucile; Eskridge.
*Young, Hazel Ann; Miltonvale.
*Young, Violet Elaine; Eskridge.
*Zimmerman, Gladys Viola; El Dorado.
*Zall, Sallie Margaret; Leavenworth.
Zurbuchen, Roy Rudolph; Alta Vista.
*Zwanziger, Beulah Caroline; Alma.

The High School.

High School Seniors.

*Akins, Gladys Roberta; Halstead.
Alexander, Pearl Portia; Emporia.
Alexander, Rub Luzell; Emporia.
*Anthony, Mary; Wayne.
*Babcock, Ethel Viola; Emporia.
Barrett, Rufus Hodges; Emporia.
*Bell, Hubert Harvey; Sabetha.
*Blocher, Florence Irene; Grayling.
Boggs, Mrs. Marilla Elizabeth; Emporia.
*Bramwell, Daisy Deane; Emporia.
*Brickley, Grace Lucille; Leon.
Brown, Ida Maybelle; Burlingame.
*Carpenter, Leda Delphia; Paola.
Childers, Alice Ruth; Emporia.
Clothier, Alta Ward; Sylvia.
Coleman, Charles Edward; Emporia.
*Cowan, Jean; Emporia.
Creighton, Lillian Ruth; Emporia.
*Cunningham, Saidee; Burlington.
*Davis, Florence; Clearwater.
*Davis, Manda; Clearwater.
*Davis, Mary Isabelle; Elwood.
De Bauge, Frances; Reading.
*De Nio, Harriette Evalene; Niles.
Duer, Jess Monroe; Zenith.
Dye, Alta May; Linneus, Mo.
*Elliott, Charlotte Uva; Wauneta.
Flowers, Edward; Emporia.
*Frey, Lena Anna; Vassar.
*Frey, Mae Irene; Vassar.
*Frye, George; Emporia.
Gay, Ethel Estella; Mound Valley.
*Grauerholz, Elizabeth; Kensington.
*Gregg, Ruth Elizabeth; Neal.
*Gwartney, Nina Louise; Basehor.
Hammond, Edwin Fitzgerald; Emporia.
*Harvey, Gladys Julia; Emporia.
*Haynes, William Everett; Emporia.
*Henry, Gladys Marion; Selma.
Higgins, Ruth Hazel; Emporia.
Hill, Lawrence Charles; Emporia.
Hoefer, Sarah Matilda; Emporia.
Hoglund, Roy Alvin; Miller.
Horton, Roy Frebur; Emporia.
*Hughes, Nellie; Garden City.
*Jackson, Mabel Esther; Selma.
Jenkins, Mabel Catherine; Osage City.
*Kellar, Rutherford; Emporia.
*Kinlund, Lulu Therese; Ashton.
Klatt, Mable Celia; Longton.
*Knisley, Cora; La Cygne.
*Levendofsky, Katie; Belleville.
*Levendofsky, Martha; Belleville.
*Liebman, Bertha Mae; Emporia.
*Lieurance, Richard Calvin; Neosho Falls.
Lull, Herbert Orran; Emporia.
*McCammon, Alice Aline; Burr Oak.
Manly, John Russell; Diamond Springs.
Marks, George Anton; Iola.
*Marsh, Mildred Myrtle; Emporia.

HIGH SCHOOL SENIORS—*Concluded.*

*Miller, Virgil Charles; Sabetha.
*Moore, Jessie Roberta; Emporia.
Morgan, Tracy; Emporia.
*Morris, Dorothee Marie; Emporia.
Morrison, Charles Fremont; Olathe.
*Needles, Maybelle Adel; Eureka.
*Ness, Hazel Bell; Caney.
*Newcomer, John; Emporia.
*Nichols, Goldie Izette; Emporia.
*Ober, Winifred Irene; Miltonvale.
*O'Halleran, Ruth; Castleton.
*Orr, Harry Wilson; Fowler.
*Ross, Harvey Leslie; Delia.
*Ross, Vera Ethel; Milton.
Sayre, Opal Emogene; Cedar Point.
Shank, Chester; Emporia.
Shank, Frank Samuel; Emporia.
*Shirley, Floy Virginia; Emporia.
Short, Victor Warren; Emporia.
Snyder, Leatha Marie; St. John.
*Spencer, Christine Louise; Emporia.
Stephens, Homer Alpheno; Emporia.
Stevenson, Gladys Lucile; Plymouth.
Underwood, Naomi; Matfield Green.
*Stroud, Lola Mabel; Cloudcroft.
*Tanner, Lillian Josephine; Morganville.
*Thurston, Ethel Beryl; Beloit.
Wells, Fern Jessie; Lowry City, Mo.
Wilks, Dora Eva; Emporia.
Wood, Leslie Bryant; Elk City, Okla.

High School Juniors.

Alvord, Alice Martha; Emporia.
Anderson, Edna Theodora; Emporia.
*Bachelder, Waunita Hetty; Benton.
Barrett, Edwin Raymond; Emporia.
Barrett, Wynford Vernon; Olivet.
*Bateman, Vernal Marhea; Marion.
*Beltz, Caroline; Haven.
Benedict, Ruth; Emporia.
Bennett, May Elizabeth; Emporia.
*Bennitt, Lillian Augusta; Elk Falls.
*Benson, Nellie Irene; Emporia.
*Betterly, Luella Mae; Emporia.
Bishop, Marion; Emporia.
*Blanton, Frances Bell; Pawnee Rock.
Breed, Theodore Rascall; Emporia.
*Brown, Luvenia Bell; Topeka.
Brundege, Mrs. Julia May; El Dorado.
Burnap, Harry; Emporia.
Butler, Cecil Irene; Madison.
*Byerly, Byron Keith; Fredonia.
*Carroll, Clarice Bertha; Emporia.
Casady, Blanche Ruth; Emporia.
*Cauby, Bertrom Preston; Emporia.
*Christy, Carle David; Emporia.
*Cook, Kenneth Merle; Emporia.
*Cook, Margaret Ellen; Neosho Rapids.
*Cox, Solon Gideon; Pomona.
Crank, Sara Evelyn; Emporia.
*Cridelbaugh, Bertha; Elkhart.
*Cuny, Lois Irene; Emporia.
*Dakin, Myrtle; Drexel, Mo.
Daniels, Ruth Viola; Smith Center.
*Davies, John Frank; Emporia.
De Bauge, Theophile; Reading.
Eberhart, Belle Ida; Alta Vista.
*Edwards, Floyd Lester; Baileyville.
*Elliott, Ella Anne; Emporia.
Elting, John Scott; Utica.
*Faarnham, Ernest North; Hope.
*Fisher, Alvin Marion; Overbrook.
*Greene; Mary Elizabeth; Peabody.
*Gustin, Marie Elizabeth; Toronto.
*Haffner, Ruby Victoria; Lebo.
Hawkins, Frank Lafayette; Clements.
*Heaton, Homer; Emporia.
*Jackson, Russell William; Moran.
*Johnson, Ellen Irene; Assaria.
Jones, Florence Barrett; Admire.
Jones, Reid William; Lebo.
*Karnes, Ray Alvin; Eskridge.
*Kelsey, Ellen Virginia; Richmond.
Kincheloe, Hazel Euraline; Richmond.
*Kunz, Fred Lee; Emporia.
*Long, Emma Lurletta; Bronson.
*Longshore, Joe William; Emporia.
*Loveless, James Linwood; Emporia.
*Lungren, Ellen Beatrice; Osage City.
*McCaslin, Zula Irene; Kincaid.
*McCracken, Elizabeth; Cuba.
*McCue, Alice Mary; Emporia.
*McGinity, Ethel Lena; Council Grove.
*McNutt, Florence; Emporia.
Morgan, Luther Howell.
Murphy, Ora Louise; Madison.
*Nicken, Viola Susan; Emporia.
*Nighswonger, Gladys Wilda; Viola.
Nusser, Barbara Margaret; Plevna.
Paxton, Robert Russell; Emporia.
*Peters, Margaret; Wellington.
Randle, Louise; Emporia.
*Robertson, Edna Anna; Darlow.
*Roberts, Oliver Clark; Emporia.
Sands, Maurine Louise; Kansas City, Mo.
*Schiebel, Mary Ellen; Osage City.
Smith, Carl Edmund; Emporia.
*Snodgrass, Thelma Mae; Leon.
*Spencer, Robert Joseph; Emporia.
Stengell, Gladys Emily; Elk City.
*Stewart, Deede Rilla; Kendall.
*Taylor, Esther May; Emporia.
*Thomas, Howard; Emporia.
Trentham, Mrs. Lucile Dawson; Stafford.
*Trimble, Paul; Emporia.
*Troutner, Ross Everett; Blue Rapids.
*Tuck, Maybelle; Elk City.
Van Zante, Herman; Emporia.
*Waddell, Irene Marie; Beloit.
Warren, Marshall; Emporia.
Warren, Selleck Bryon; Emporia.
Williams, Ralph; Pratt.
Wilson, Gladys Laura; Cedar Point.
*Workman, Julia Laurel; Emporia.
*Young, Flora May; Coldwater.

High School Sophomores.

Allen, Jessie Ophelia; Winfield.
Ames, Miles; Madison.
*Beeler, Gwendolyn Alberta; Argentine.
Bell, James Robert; Emporia.
Blankenship, Zara Stearns; Rosalia.
Bracey, Edna Fay; Emporia.
Brown, Phyllis Katherine; Emporia.
Burnap, Mary Elizabeth; Emporia.
Campbell, Milford Lawrence; Emporia.
Carle, Leo; Emporia.
Casaday, Helen Darlene; Emporia.
Cebulskie, Joe; Emporia.
Corbin, Madge Jessie; Emporia.
Corbin, Scott Walter; Emporia.
Cowan, Charles Hadley; Emporia.
*Cox, Hallie Jullette; Emporia.
*Crist, Emely; Marquette.
Crumley, Hazel Irene; Rago.

HIGH SCHOOL SOPHOMORES—*Concluded.*

*Cunningham, Grace Elizabeth; Emporia.
*Dana, Ina May; Garden City.
*Darbyshire, Velam Celaura; Neosho Rapids.
*Dary, William Maurice; Kincaid.
Davidson, Harry Ellis; Emporia.
Dawson, Vida Virginia; Emporia.
*Deering, Leona Watkins; Emporia.
*Douglass, Halie Lucile; Winfield.
*Dwelle, Margaret; Emporia.
George, Robert; Olivet
Gilson, Marjorie; Emporia.
Griffiths, Melba; Emporia.
*Hamer, Helen Roberta; Emporia.
Hardie, Catharine Elrington; Emporia.
*Harter, Fairy; Emporia.
*Harvey, Mildred; Emporia.
*Hawkins, Jonas Edwin; Emporia.
Hembling, Violet Angeline; Emporia.
Higgins, Lee; Emporia.
Hodges, Dorothy Bernice; Emporia.
Huntsinger, Isa Pearl; Madison.
Jones, Charles Francis; Emporia.
*Jones, Lee Etta; Fort Smith, Ark.
Keller, Margaret Elizabeth; Emporia.
Keller, Rutherford; Emporia.
*Kerns, Vera Josephine; Earlsboro.
*Lancaster, Ruth; Strong City.
*Lewis, Edna May; Ottawa.
*Lindley, Grace May; Emporia.
*Lunceford, Reuben Chester; Florence.
*McCan, Lorena Amelia; Emporia.
*McNutt, William; Emporia.
*Mayes, Ernest Larson; Emporia.
Mendel, Collins Wirt; Emporia.
Morris, Virgil; Emporia.
Murphy, Marion Dee; Madison.
Owen, May Smith; Tribune.
*Owen, Ruby; Elk City.
*Parks, Emma Jane; Benton.
*Ratcliff, Edna Elizabeth; Emporia.
*Reed, Mabel Leone; Overbrook.
Robertson, Isabel Eleanor; Paola.
Schlupp, Lula May; Hutchinson.
Schomp, Violet Lucy; Hillsdale.
Scott, Kenneth Albert; Emporia.
Shank, Floyd; Emporia.
*Sherfey, Elizabeth; Wichita.
Siebert, Mildred Jane; Plymouth.
*Specht, Marie Adella; Emporia.
Stafford, Lila Fay; Hartford.
Totsche, Frank; Emporia.
*Vandervelde, William Harold; Emporia.
Warren, Frances; Eskridge.
*Warren, James Oscar; Eskridge.
Weaver, Gladys Minerva; Madison.
*Will, Fanny Amelia; Shady Bend.
*Williams, Catherine; Emporia.
Williams, Reece Morgan; Council Grove.
*Wilson, Frances Margaret; Emporia.

Unclassified Students.

Barber, Martha Bella; Emporia.
*Boydston, Lora; Eureka.
Brannan, Chester Claude; Emporia.
Brannan, Edna Garner; Emporia.
*Buck, Lulu Clare; Wichita.
*Burgert, Louise Mary; Kaw, Okla.
*Burgy, Mrs. Mable; Emporia.
*Byrd, Syble Ethel; Kansas City.
Caldwell, Mabel Wihlemenia; Lecompton.
Coffman, Bertie; Atchison.
*Cowan, Agnes Bessie; Athol.
Cromley, Martha Kate; Mulvane.
DePriest, Mrs. Angie; Topeka.
*Dieterich, Sarah Scott; Parsons.
*Eddington, Florence Frances; Clearwater.
Eichenberger, Ruth Vera; Pomona.
Elliott, Ella Anne; Emporia.
Floyd, Naomi Blanche; Osborne.
*Gates, Fannie May; Belleville.
Goebel, Anna Matilda; Jetmore.
Haffa, Milton Clarence; Emporia.
Hamilton, Reuben Mortimer; Harper.
Hanson, Mary Johanna; Emporia.
*Hasty, Gladys Kemper; Topeka.
Heaton, Lulu Grace; Emporia.
Hazlett, Mrs. Emma; Emporia.
*Hesse, Clara Mary; St. Marys.
*Hiebert, Lydia Elaine; Hillsboro.
*Hoefer, Eva Frederica; Tampa.
*Huffman, Mrs. Estella; Iola.
Johnson, Mrs. L. M.; Kansas City, Mo.
Jones, Nellie Findley; Emporia.
*Keech, Edith Edna; Emporia.
Kell, John L.; Emporia.
*Kelley, Irene Dawson; Newton.
*Kersey, Elam June; Eskridge.
Lytle, Ralph Harrison; Emporia.
McCaw, Mabel Amelia; Emporia.
*McCracken, Mrs. Jessie Bird; Manhattan.
McCory, Ida Sarah; Emporia.
Mallary, Lyman Daune; Emporia.
Messick, Alderson Barton; Emporia.
Milliken, Frances Burzley; Manhattan.
*Moody, Mrs. Frank; Spring Hill.
*Moore, Emma Lorena; Stafford.
*Morfoot, Thelma Beatrice; Talmo.
*Nance, Robert; Atchison.
*Patrick, Leslie Raymond; Michigan Valley.
Paxton, Mrs. J. V. Tacy; Emporia.
*Reeves, Marie Ernest; McAlester.
*Robinson, Rhoda Kathryn; Sabetha.
Sarvin, Pearl; Wichita.
Saylors, Clifford Ray; Emporia.
Severns, Mrs. Ruth; Emporia.
*Shaffer, Edna; Florence.
*Shamberg, Henry Earl; Lake City.
Smith, Mrs. Clymera Sovert; Fall River.
*Smith, Jennie; Olathe.
*Snedecker, Mary Louella; Emporia.
Stunz, Gladys Mary; Olathe.
*Titus, Mrs. Ella; Preston.
*Toling, Charles Melvin; Horton.
Troutwein, Olive; Winfield.
Trott, Helen Elizabeth.
*Ulsh. Hazel Beatrice; Peabody.
Umbarger, Cora Elizabeth; Newton.
*Voorhees, Charles Logan; Miltonvale.
Warnock, Edna Elizabeth; Wellington.
Wells, Faye Saxon; Lowry City, Mo.
Wiershing, Maude; Eureka.
Williams, Freida; Emporia.
*Williams, Mary Eliza; Darlow.
York, Stella May; Wilmore.
*Young, Zula Jessie; Highland.

Music.

*Abrahams, Lucile; Emporia.
Adam, Frank; Emporia.
Andrews, Ruth; Emporia.
Antle, Fern; Emporia.
Bailey, Dreda; Emporia.
Ballweg, Carl; Emporia.
Ballweg, Peggy; Emporia.
Baltz, Spencer; Emporia.
Barber, Dorothy; Emporia.
Barker, Myrtle Anna; Emporia.
Barnes, Lorene; Emporia.
Baughman, Pearl; Reading.

Music—*Continued.*

*Bell, Willa; Americus.
Berg, Herman; Emporia.
Bergerhouse, Virginia; Emporia.
Berns, Gladys; Emporia.
*Bomau, Nell; Emporia.
*Boone, Esther; Emporia.
Brandley, Gorman; Emporia.
Brown, Elmer; Emporia.
Brown, Ruth; Emporia.
Buck, Victor; Emporia.
*Burkett, Pauline; Americus.
Burnap, Mary; Emporia.
Callahan, Katherine; Emporia.
Carothers, Marjorie; Emporia.
Carson, Ernest Vernon; Emporia.
Chase, Frank; Emporia.
Clark, Marjorie; Emporia.
Crackel, Zella; Emporia.
Crouse, Edith; Emporia.
Daniels, Willa Gertrude; Emporia.
Dary, Russell; Hartford.
Detrick, Mrs. L.; Emporia.
Donaldson, Clare; Emporia.
*Donaldson, David Elvin; Emporia.
Eckdall, Lida; Emporia.
Eckdall, Frank; Emporia.
Eckdall, Virginia; Emporia.
*Edwards, Mary Esther; Emporia.
*Elliott, Evelyn; Americus.
English, Mildred; Emporia.
Estell, Mostella; Emporia.
Ferrabie, Edna; Emporia.
Fisher, Beryl Louise; Emporia.
Floyd, Elsie May; Americus.
Galt, Ruth; Emporia.
Ganse, Catherine; Emporia.
Gibson, Faye; Admire.
Gilson, Teressa; Emporia.
Grant, Helen; Emporia.
Greenlee, Ava; Emporia.
*Grosvenor, Winnie; Osage City.
Gufler, Carlene; Emporia.
Gufler, Crescentia; Emporia.
Gufler, Winifred; Emporia.
Hagins, Christine; Emporia.
Hagins, Esther; Emporia.
Hammer, Margaret; Emporia.
Harvey, Merle; Emporia.
Haviland, James; Erie.
Hedrick, Imogene; Emporia.
Hembling, Ethelbertha; Emporia.
Hemmant, Mary Elizabeth; Saffordville.
Hilton, Elsie; Emporia.
*Hilze, Elva Jane; Emporia.
Hinze, Louesa Clara; Emporia.
*Hoch, Dorothy; Emporia.
*Hoch, Winifred; Emporia.
*Hogan, Fern Elizabeth; Madison.
Howe, Sarah Genevieve; Emporia.
Humphrey, Mable Twilma; Emporia.
Humphrey, Mary; Emporia.
*Hunt, Lucile; Americus.
Hunt, Osa; Emporia.
Im Masche, Julia; Saffordville.
Jacobs, Charles; Emporia.
*Jensen, Emma; Emporia.
Jensen, Marn Marie; Emporia.
Jensen, Marguerite; Emporia.
Jones, Warren Richard; Reading.
Kiefer, Bobby; Emporia.
King, Lois Dale; Emporia.
*Kitzenberger, Ruth; Americus.
Lakin, Fred; Emporia.
Lane, Marion; Burlington.
Lawrence, Louise; Emporia.
*Lawrence, Marvel; Saffordville.
Leach, Catherine; Emporia.
Leach, Margaret; Emporia.
*Leivin, Mary; Admire.
Lewis, Mary; Americus.
Link, Eugene; Emporia.
Link, Lida Belle; Emporia.
Luce, Lorita; Emporia.
Lyles, Marjorie; Saffordville.
McCollough, Edna; Emporia.
McKee, Villette; Saffordville.
Mahar, Geraldine; Emporia.
*Markowitz, Lucy; Emporia.
Marmont, Irene; Emporia.
Martin, Alme; Emporia.
Martin, Gordon; Emporia.
Martin, Sarah; Elmdale.
Marvin, Eva; Emporia.
*Matthews, Esther; Eureka.
Maxey, Octavia Irene; Hiawatha.
Mayberry, Margaret; Emporia.
Mayes, Jeanette; Emporia.
Mick, Catherine; Emporia.
Miller, Herbert; Emporia.
*Miller, Mrs. H. S.; Wichita.
Montgomery, Margaret; Emporia.
*Moore, Clara; Emporia.
*Moore, Dorothy; Emporia.
Morris, Joe; Emporia.
Morse, Marjorie; Emporia.
Nation, Ruth; Emporia.
Neal, Sylvia; Emporia.
Neighbors, Beatty; Emporia.
Neill, Ramona; Emporia.
Neill, Sylvia; Emporia.
Newman, Eleanor; Emporia.
*Newman, Fredrick; Emporia.
Newman, Kitty; Emporia.
*Nicholson, Margaret; Emporia.
Nicklin, Ira; Emporia.
Nuffer, Mrs. O. J.; Emporia.
O'Connell, Gerald; Emporia.
O'Connor, Ellen Gertrude; Emporia.
Olin, Charlotte; Emporia.
Olson, Theresa; Emporia.
Paden, Viola; Emporia.
Parker, Myrtle; Emporia.
Patterson, Dorothy; Emporia.
Peterson, Adele; Emporia.
Randle, Edith; Emporia.
*Rasmussen, Agnes; Emporia.
Reeble, Ruth; Emporia.
Rich, Elizabeth Wanda; Emporia.
Richards, Oscar; Emporia.
*Riley, Robert Milton; Emporia.
Root, Millicient; Emporia.
*Ross, Eleanor; Emporia.
Rowland, Marguerite; Emporia.
Ryan, Eugene; Emporia.
Sagaser, Josephine; Emporia.
Schreiner, Margaret; Emporia.
Smith, Donald; Emporia.
*Smith, Lena; Emporia.
Sonnedecker, Lois; Emporia.
Sowerby, Kathleen Maria; Emporia.
Sprague, Virginia; Emporia.
Steward, Mabel; Emporia.
*Stewart, Fay V.; Emporia.
Stollar, Mrs. Goldie M.; Emporia.
Strube, Agnes; Emporia.
Strube, Mildred; Emporia.
Studer, William; Beloit.
Taylor, Esther; Emporia.
Teas, Esther; Emporia.
*Theys, Arline; Americus.
*Theys, Mary; Emporia.
Tholen, Gertrude; Emporia.
Thomas, Ameta; Emporia.
Thomas, Betty; Emporia.
Thomas, Caroline; Emporia.
Thomas, Helen; Emporia.

MUSIC—*Concluded.*

Thomas, La Von; Emporia.
Thudium, Loretta; Emporia.
Todd, Paul; Emporia.
Tressler, Samuel; Emporia.
Turner, Wilma; Emporia.
*Umbarger, Hallie; Saffordville.
*Van Dervelde, John; Emporia.
Vandervelde, Kenneth; Emporia.
Wager, Vera; Florence.
Watkins, Bernice; Emporia.
Weigand, Joe; Emporia.
Whippey, Helen; Saffordville.
Whipkey, Helen; Emporia.
*Willey, Clifford; Emporia.
*Willey, Leona; Emporia.
Williams, Dewitt; Emporia.
Willman, Flora Anna; Emporia.
Wilson, Ruby; Moscow.
Wismeyer, Elizabeth; Emporia.
Woodard, Wyvette; Emporia.
*Woolwine, Olive; Emporia.

Summary of Attendance.

	Women.	*Men.*	*Total.*	
Graduates	37	6	43	
College Seniors	120	62	182	
College Juniors	200	59	259	
College Sophomores	424	92	516	
College Freshmen	1,701	231	1,932	
Unclassified	60	14	74	
	2,542	464	3,006	
High School Seniors	64	26	90	
High School Juniors	58	35	93	
High School Sophomores	51	26	77	
	173	87	260	
				3,266
Music (taking music only)	154	35	189	
Junior High School and Elementary Training School (estimated)	152	173	325	
Correspondence	...	...	530	
Extension	...	...	75	
Total				4,385

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